





<b>Z</b> -series	P021 - 044		Z-SERIES
Hand Sockets	P045 - 146		HAND MANUALES
Titanium Sockets	P147 - 148	55555000000000000000000000000000000000	TITANIUM DE TITANIO
Accessories	P149 - 186		ACCESSORIES ACCESORIOS
Screwdrivers	P187 - 192		SCREWDRIVERS DESTORNILLADORES
Impact Sockets	P193 - 262		IMPACT DE IMPACTO
Sleeve Drive Sockets	P263 - 269		SLEEVE-DRIVE
Industrial Sockets	P273 - 278		INDUSTRIAL INDUSTRIALES
Protector Sockets	P279 - 284		PROTECTOR PROTECTORES
Automotive Tools	P285 - 308		AUTOMOTIVE
Construction	P309 - 317		CONSTRUCTION CONSTRUCCIÓN
Renewal Kits	P319 - 323		RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Picto	Pictograms Socket openings / Bit shape							
0	FLAT DRIVE® (6-point)	0	TORX® (E)		TORX® (T)			
0	FLAT DRIVE® (12-point)	0	NUT GRIP® / TORX® (E)	<b>②</b>	Tamper-Resistant TORX® (TH)			
0	NUT GRIP®	0	TORXplus® (EP)		TORXplus® (IP)			
0	NUT GRIP® (3-ball)	0	Tamper-Resistant TORXplus® (EPR)		Tamper-Resistant TORXplus® (IPR)			
	Surface Drive	0	LH-STIX® (LH-S)		Triple-Square(XZN)			
0	PATHFINDER®	0	Bit Holder	0	Triple-Square with Hole(XZN)			
O	Flare Nut	<b>①</b>	Phillips		Ribe-CV			
0	Square	$\bigcirc$	Slotted		POLYDRIVE			
0	Double Square		Hexagon		Double-Hexagon			
0	Stud Bolt Puller	*	PZ	шш	Socket Set on Rail			
0	NUTTWISTER®		Square External					

Pictogra	Pictograms Mechanics / Specification								
SODH System	S.O.D.H <sup>®</sup> -System	* (* thin	Thin-Walled(6-point)	1/4" 1/4"	1/4"(6.35mm) Sq. Dr.				
SODH <sup>®</sup> System	S.O.D.H <sup>®</sup> -System (4750 series)	+ (+ thin	Thin-Walled(12-point)	3/8" 3/8"	3/8"(9.5mm) Sq. Dr.				
2 Two-Step Dog	Two-Step Dog	Magnet	with Magnet	1/2" 1/2"	1/2"(12.7mm) Sq. Dr.				
Three-Step Dog	Three-Step Dog	<b>(20)</b>	20 tooth Gear	5/8" 5/8"	5/8"(15.9mm) Sq. Dr.				
Quick Release	Quick Release Button	<b>24</b>	24 tooth Gear	3/4" 3/4"	3/4"(19.0mm) Sq. Dr.				
I Heat	Flexible Head	<b>30</b>	30 tooth Gear	1" 1"	1"(25.4mm) Sq. Dr.				
Swivel Head	Swivel Head	36)	36 tooth Gear	1.1/2" 1.1/2"	1.1/2"(38.1mm) Sq. Dr.				
UR Marking	L/R Marking	44	44 tooth Gear	21/2" 21/2"	2.1/2"(63.5mm) Sq. Dr.				
OVAL Shank	Oval Shape Shank	45	45 tooth Gear	3.1/2" 3.1/2"	3.1/2"(88.9mm) Sq. Dr.				
Wobbie-Fix	Wobble-Fix	60	60 tooth Gear	1	Caution				
		72	72 tooth Gear		Modification				

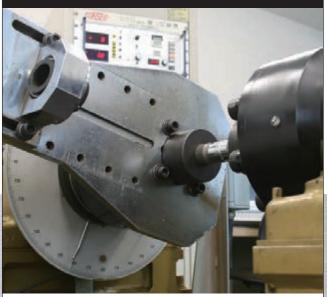


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Specifications or design of any product in this catalogue are subject to change without notice. Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.



### ■ TEST AND LABORATORY



Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The

test results are used to improve our standard products and assist with new product design and development.





### ■ DESIGN AND DEVELOPMENT



The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



### **■ FORGING**



The Forming machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. On the other hand, ordinary forging machines are also used for small production runs.







### **■ TURNING**



The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.



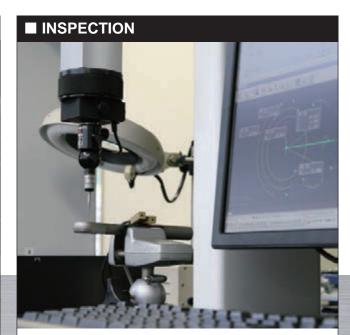


# ■ HEAT TREATMENT

To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.







Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.









Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.

The Flat contact reduces wear and allows to transmit a higher torque value.

The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de Contacto Plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir un par mayor.

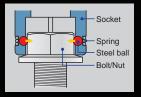
El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca hexagonal o bi-hexagonal del vaso.

# SOCKETS





Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

### **SURFACE DRIVE**







Surface drive sockets are designed to retain contact with the flat sides of the nut in order to reduce nut wear.

These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.



Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca.

Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.

### **PATHFINDER®**





The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

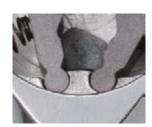






# **RATCHET HANDLE**







### SODH®-System

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly.

The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Los dos trinquetes del cuerpo de la llave de carraca y sus muelles están dispuestos en el cuerpo de la llave de forma que se mantienen firmemente en posición permitiendo un cambio suave de la palanca de inversión y del trinquete.

El par sobre la rueda dentada se transmite verticalmente al trinquete, y al mismo tiempo al mango de la llave de carraca. Este mecanismo bloquea firmemente los dientes mientras se aplica el par, evitando así el deslizamiento de los mismos.





### **Two-Step Dog**

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Los dientes de la rueda de la llave de carraca se inmovilizan por medio de dos dientes aumentando de esta forma el par máximo de la llave en comparación con el sistema de un paso.





### Three-Step Dog

Two dogs are set in the same axis, and the three teeth hold the ratchet gear.

The enlarged contact area produces about 10% higher torque value and the S.O.D.H-System provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.

El aumento de la superficie de contacto produce un aumento de par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.







### **OVAL SHAPE SHANK**





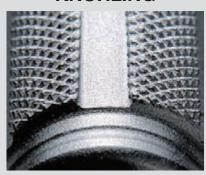


Unique designed oval shape shank provides extra strength and durability.

El particular diseño de caña de sección Ovalada proporciona más resistencia y duración.



### KNURLING



Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.

Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.



### **WOBBLE-FIX**

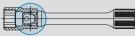


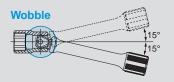


One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

Una, como alargadera flexible que permite trabajar con un ángulo de 15°, otra, como alargadera normal.





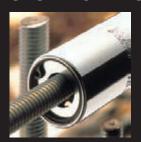






# STUD BOLT PULLER/SETTER

### **STUD BOLT PULLER**



The body design was changed to hexagonal shape to minimize tolerances. This shape is also effective to lessen excessive load on cages and rollers inside the body.

### **RATCHET PULLER**



Puller for tightening stud bolts. Go-through body allows puller to grip the stud bolt at any position along the stud.

Three-rollers protect the bolt from damage.

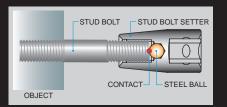






### **STUD BOLT SETTER**

Special socket for installing a stud bolt. The bolt contacts with a steel ball to prevent the bolt from sticking onto the socket. After installing the bolt, turn anticlockwise to remove the socket.









### BLACK FINISHED HEAD

The top of Attack Driver is manganese phosphate treated to prevent chrome peeling off the head when it is struck.



### ■ ■ HEAT TREATMENT FOR ANTI-CRACK

Special Heat treatment is applied on the parts of Attack Driver. Hardness of Striking head is slightly softer to prevent cracking. The cam part has higher hardness to improve anti-wear.

### SPRING

Strong spring is used to convert the striking power efficiently into twisting power.



### BODY SHAPE

Original body shape allows stronger grip. It makes it easier to convert the ATTACK DRIVER® striking power into twisting power.











### **SPINNING CROSS WRENCH**

The shaft of cross wrench turns freely within the knurled grip. The cross bar is removable for easy storage in a compact space.





### **FLEXIBLE SPEEDER**

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.





### **SPINNING SLIDE T-HANDLE**

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.



# IMPACT WHEEL NUT SOCKET



# SPARK PLUG SOCKET



### **CLIP TYPE**

It is designed to grip a spark plug securely at its hexagonal part by two stainless spring clips.

Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

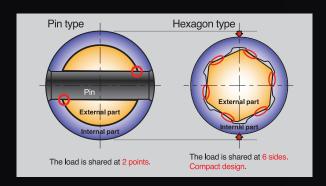
The brass guide also eliminates stress loading and possible damage to the ceramic insulator.



**UNIVERSAL JOINT** 

# Hexahedral engagement achieved with compact design





Ball type universal joints use a new structure of joint mechanism without a pin.

Being connected by mutually engaged hexahedrons, the load is dispersed across the whole outer circumference.

High durability is obtained with this innovative, compact design.



# **LOCKING ADAPTOR**

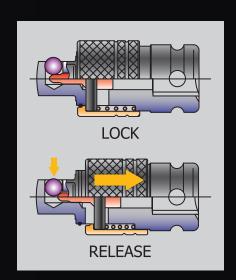
Impact sockets can be attached or detached on the LOCKING ADAPTOR for safety just by sliding the holder rather than using a pin and an O-ring.



LOCKING

It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.







# **BOLTTWISTER®**





### License

## TORX®/ TORXPLUS & LHSTIX®

TORX\*/ IORX\*\* and LHSLIX are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

TORX\*/ IORX\*\* y LHSTIX\* están reconocidos como los tres sistemas más efectivos de fijación debido a su mayor capacidad de transmitir par, reducir el par final y eliminar completamente el deslizamiento de la herramienta.

### TORX® & TORXPLUS®







TORX



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### LHSTIX®











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### **Registered Trademarks**



HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所 山下工研 SODH®-System Flatdrive® ATTACK DRIVER® HANDY-ENDY® PATHFINDER® Nut Grip® LOCK NUT BUSTER® NUT TWISTER® BOLT TWISTER®

### Aerial Photograph



### Warranty

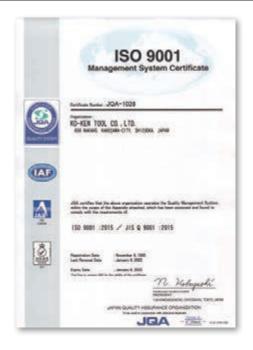
### **WARRANTY**

The trade mark **Koken** is your unqualified warranty against any defect in material or workmanship. Each **Koken** tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any **Koken** tool which fails because of defective material or workmanship will be repaired or replaced through your **Koken** dealer, to the exclusion of any further liability.

### **GARANTIA**

La marca **Koken** es la garantía incondicional contra cualquier defecto de materiales o de fabricación. Todas las herramientas **Koken** están fabricadas para satisfacer con creces las exigencias del uso previsto y se inspeccionan meticulosamente antes de su expedición. Las herramientas **Koken** que fallen por defectos de materiales o de fabricación se repararán o reemplazarán a través del distribuidor **Koken** correspondiente, excluyendo cualquier otra responsabilidad.

### ISO9001









### **GENERAL / CONSIDERACIONES GENERALES**

- (a) Make sure you use the right type socket, whose opening fit the nut. Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.
- (b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only. Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.
- When using nut runners or IMPACT Wrenches wear safety goggles. Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad
- (d) Plastic or rubber handles are not intended to act as insulation. Los mangos de goma o de plástico no están previstos para aislamiento
- (e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket. No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.
- Items in this catalogue marked  $\Lambda$  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury. Los artículos de este catálogo marcados 🗘 se pueden forzar con pares que pueden causar

rotura. En interés de su propia seguridad aplicar siempre el par uniforme y progresivamente para evitar la rotura y posibles lesiones.

### **SOCKETS / VASOS**

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Los vasos que presenten paredes agrietadas, cantos machacados u otros signos de desgaste deben reemplazarse.

### **HANDLES / MANGOS**

A ratchet is not a hammer

Una llave de carraca no es un martillo.

Never use loose pipes or other improvised attachments on handles for increased leverage.

No utilizar nunca tubos sueltos u otras herramientas improvisadas con los mangos para aumentar el brazo de palanca.

### **EXTENSION BARS / ALARGADERAS**

The combination of several short extensions instead of one correct sized one is to be avoided.

Debe evitarse combinar varias alargaderas cortas en lugar de una sola alargadera de longitud correcta.

### **ADAPTORS / ADAPTADORES**

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Los adaptadores se deben utilizar razonablemente. Debe tenerse en cuenta que al utilizar adaptadores "para menor diámetro", mayor mango en un vaso conductor más pequeño, se consiguen pares superiores al necesario. Mantenerse siempre dentro de límites seguros.





# Kokon Z-series



Z series - Evolution of Automotive service Lineup

**Z-series MOVIE** 

### - CONCEPT -

Continued advancements in engine designs and structures are producing engines that are more complex and compact.

Work environments are being transformed to cater towards increased demands on auto mechanics. We at Ko-ken TOOL CO., LTD., specialists in socket wrench manufacturing, have been committed to the development of automotive tools that are more suitable by pouring in our passion for perfecting hand tools and utilizing our experience obtained through over half a century of manufacturing to create the Z-series.

"Z" stands for "zeal". Through their unequaled performance, Z-series tools are certain to become the mechanic's new standard for the next generation of automotive tools.

### - OVERALL -



### Designed for best performance

The designs were thoroughly reviewed to produce the Z-series.

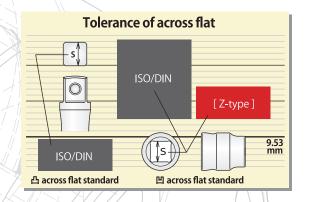
All items in this series are now more compact.

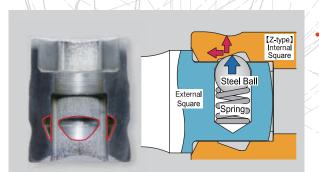
Foregoing standards, radical design concepts have been implemented in producing the Z-series which enables maximum potential in all professional mechanics.

### Tolerance – Square drive

Movement at the joint between a socket and a ratchet or other drive accessory has been accepted as unavoidable.

To reduce this movement, we thoroughly reviewed dimensional accuracy of all the joint parts of Z-series, and any movement in the rotating direction has now been minimized through production technologies.



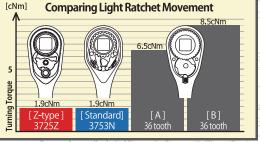


### Ball Holding Groove

The new Ball Holding system was installed. Any movement in the connecting direction has been reduced by a mechanism that pulls the parts together.

### - REVERSIBLE RATCHET -





A, B: Other brand

### • 72 tooth gear Ratchet Handle - Light Ratchet Movement

This ratchet handle has a new mechanism for enhanced usability.

This Ratchet has incredibly light turning torque that enables working on loosely tightened bolts.

With the compact head and balanced design, the Z-series ratchet has evolved into what can be called the "ideal ratchet handle".

### Push release: Locking type

Innovative new locking mechanism is installed. This new mechanism achieved both of locking a socket and also unique feature of Z-series pulls parts together for tight connection.



### SOCKETS -

### Compact

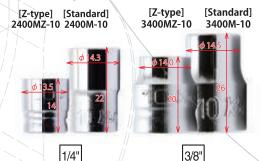
The length and diameter of sockets have been significantly reduced.

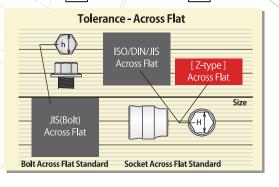
Ideal for working in confined and tight areas.

### Tolerance -Hexagon Opening.

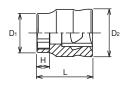
Foregoing the ISO and DIN standards, radical design concepts have been implemented in producing the Z-series which enables maximum potential in all professional mechanics.

### - Comparison of 10mm Sockets-









### 2400MZ 6.4 4.5 7.6 5.5 8.2 3.5 8.8 3.5 9.9 3.5 11.1 11.7 4.5 13.5 12.5 14.7 13.2 15.9 14.4 17.1 15.6 18.3 16.8

RS2400MZ/12 12 Pieces Set/Rail 200mm	₫Д (g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14	228

### RS2400MZ/12 Socket Set on Rail Juego de Vasos en Regleta



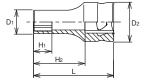






2300XZ O 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos





### RS2300XZ/9



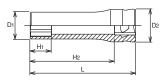
Socket Set on Rail
Juego de Vasos en Regleta





6-point Deep Sockets Vasos Hexagonales Largos







RS2300MZ/12 O Juli Socket Set on Rail Juego de Vasos en Regleta



2300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
5.5	8.2	11	6	20	30	10	10
6	8.8	11	7	20	30	10	10
7	9.9	11	8	20	30	11	10
8	11.1	11.7	9	20	30	13	10
10	13.5	12.5	11	20	30	16	10
11	14.7	13.2	12	20	30	19	10
12	15.9	14.4	13	20	30	22	10
13	17.1	15.6	14	20	30	26	10
14	18.3	16.8	14	20	30	30	10

RS2300XZ/9 9 Pieces Set/Rail 200mm	Ø∄ (g)
5.5, 6, 7, 8, 10, 11, 12, 13, 14	290

2300MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

RS2300MZ/12	12 Pieces Set/Rail 200mm	₫Д (g)
4, 4.5, 5, 5.5, 6, 7	7, 8, 10, 11, 12, 13, 14	445

2441MZ D<sub>2</sub> (mm) 4.5 12.3 11.7 30.5 18 8 10 10 14.3 11.7 4.5 30.5 20 10 16.8 11.7 5.5 31.5 25 10 12 13 18 11.7 5.5 31.5 27 10 20 11.7 31 14 33 10

	RS2441MZ/5	5 Pieces Set/Rail 200mm	₫∄ (g)
New		8, 10, 12, 13, 14	235

2000Z.28 (PH)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

2000Z. (PH)		d (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
1	11.2	4	34	50	11	10
2	11.2	5	34	50	13	10
3	11.2	-	34	50	16	10

2005Z.25	T × W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	$1.0 \times 5.5$	11.2	9	25	9	10
6	$1.2 \times 6.5$	11.2	9	25	10	10

	2010MZ.25 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	2	11.2	9	25	9	10
New	2.5	11.2	9	25	9	10
	3	11.2	9	25	9	10
	4	11.2	9	25	9	10
	5	11.2	9	25	10	10
	6	11.2	9	25	10	10

	2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
New	2	11.2	3	34	50	10	10
New	2.5	11.2	3.5	34	50	11	10
	3	11.2	4	34	50	11	10
	4	11.2	5	34	50	13	10
	5	11.2	6	34	50	15	10
	6	11.2	-	34	50	17	10

	RS2010MZ/6-L25	6 Pieces Set/Rail 200mm	Д <u>°Д</u> (g)
New		2, 2.5, 3, 4, 5, 6	170
	RS2010MZ/6-L50	6 Pieces Set/Rail 200mm	(g) (T)
New		2, 2.5, 3, 4, 5, 6	195

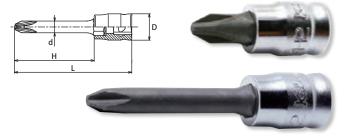




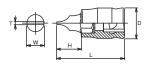
RS2441MZ/5 Socket Set on Rail
Juego de Vasos en Regleta 0



2000Z-28 · -50 PH Bit Sockets Vasos con Punta PH

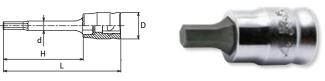


Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada 2005Z-25





2010MZ-25 · -50 Inhex Bit Sockets Vasos con Punta Hexagonal









Z-series





RS20XXZ/9  $\bigoplus$   $\bigoplus$   $\bigoplus$  Socket Set on Rail Juego de Vasos en Regleta



RS20XXZ/9	9 Pieces Set/Rail 200mm	₫Д (g)
2000Z.28	1, 2, 3	
2005Z.25	5, 6	213
2010MZ.25	3, 4, 5, 6	

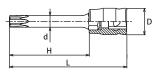
2025Z-28·-50 (\*)



TORX® Bit Sockets Vasos con Punta TORX®







2025Z.28 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	11.2	12	28	9	10
T15	11.2	12	28	9	10
T20	11.2	12	28	9	10
T25	11.2	12	28	10	10
T27	11.2	12	28	10	10
T30	11.2	12	28	10	10
T40	11.2	12	28	11	10

2025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	11.2	4	34	50	11	10
T15	11.2	4	34	50	11	10
T20	11.2	4.5	34	50	12	10
T25	11.2	5	34	50	13	10
T27	11.2	5	34	50	13	10
T30	11.2	5.6	34	50	15	10
T40	11.2	-	34	50	17	10

RS2025Z/7-L28 Socket Set on Rail Juego de Vasos en Regleta RS2025Z/7-L50







RS2025Z/7-L28	7 Pieces Set/Rail 200mm	₫¼ (g)
T10, T15, T20, T	T25, T27, T30, T40	195

RS2025Z/7-L50	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20,	T25, T27, T30, T40	220

0 2725Z 20.5 17.1 9.5 114 79 1

\* Renewal Kits → 2725RK-2 → P322

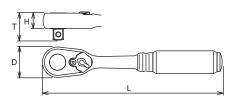
Reversible Ratchet Llave de Carraca Reversible 27257



2725Z-160

Reversible Ratchet Llave de Carraca Reversible





	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2725Z-160	20.5	17.1	9.5	160	115	1

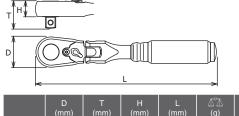
\* Renewal Kits → **2725RK-2** → P322



2725Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.







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17.1

\* Renewal Kits → **2725RK-2** → P322

2726Z 20.5

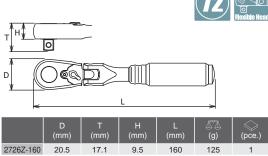
2726Z

Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)





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\* Renewal Kits → 2725RK-2 → P322

2726Z-160

Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)





2726Z-160 have longer handle than standard, and can be loaded to excessive torque value In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

**2760Z** 

Extension Bars Alargaderas



<u></u>		
	L	

2760Z	D (mm)	L (mm)	₫∄ (g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

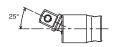
**2771Z** 

Universal Joint Articulación Universal





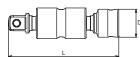
	D (mm)	L (mm)	₫Д (a)	(pcs.)
	()	()	(9)	(рос.)
2771Z	11.7	29.9	15	10



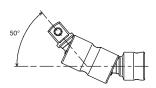
**2772Z** 

Universal Joint Articulación Universal





	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
2772Z	11.7	46	26	10



2756Z

Quick Spinner Disco de Giro Rápido



	D (mm)	L (mm)	₫ <sup>™</sup> Д (g)	(pcs.)
2756Z	20.3	18	15	10



2756Z-3/8 2756Z-1/2

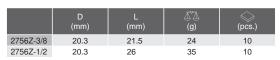
Quick Spinner, Adaptor



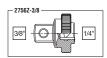


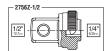


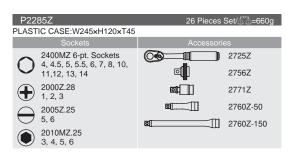






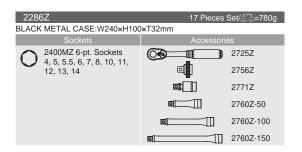






P2285Z Socket Set Juego de Vasos





2286Z Socket Set Juego de Vasos



2285ZE	10 Pieces Set/ຝື∆=300g
Rail 200mm/PLASTIC BAG	
Sockets	
2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14	2725Z
3.3, 0, 7, 0, 10, 12, 13, 14	回 <b>们</b> 2756Z

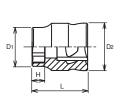
2285ZE Socket Set Juego de Vasos



**3400MZ** O 6-point Sockets Vasos Hexagonales



FLAT DRIVE®



3400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M. Ideal for working in confined and tight areas.

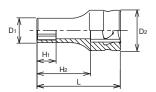
### RS3400MZ/8 Socket Set on Rail Juego de Vasos en Regleta RS3400MZ/12





**3300XZ** O 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos





### Socket Set on Rail Juego de Vasos en Regleta RS3300XZ/8 RS3300XZ/12



RS3400MZ/8	8 Pieces Set/Rail 200mm	₫Д (g)
8, 10,	11, 12, 13, 14, 17, 19	320

RS3400MZ/12 12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	490

3300XZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
7	10.3	17	8	23	35	23	10
8	11.5	17	9	23	35	24	10
10	14	17	11	23	35	26	10
11	15.3	17	12	23	35	28	10
12	16.5	17	13	23	35	29	10
13	17.8	17	14	23	35	32	10
14	19	17	16	23	35	34	10
15	20.2	18.2	16	23	35	40	10
16	21.3	19.3	16.5	23	35	45	10
17	22.5	20.5	16.5	23	35	50	10
18	23.6	21.6	16.5	23	35	56	10
19	24.8	22.8	18	23	35	60	10

RS3300XZ/8	8 Pieces Set/Rail 200mm	Д Д (g)
8, 10, 11, 12,	13, 14, 17, 19	420
RS3300XZ/12	12 Pieces Set/Rail 300mm	₫Д (a)

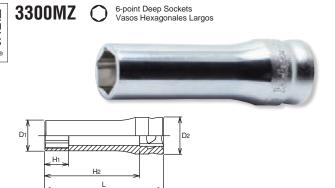
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



3300MZ (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10



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7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

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RS3300MZ/8 Socket Set on Rail Juego de Vasos en Regleta

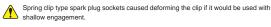


RS3X00MZ/12	0	ШШ	Socket Set on Rail Juego de Vasos en Regleta
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3300CZ (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
14	18.4	11	17	70	67	10
16	20.5	13	17	70	71	10
18	22.9	12	17	70	75	10
20.8	26.3	13.5	17	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.



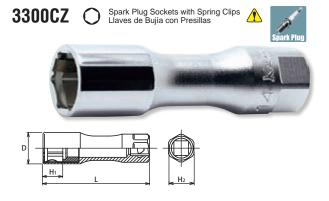


3305PZ (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

Spark Plug Socket with Magnet, 12-pt. opening: size 14mm



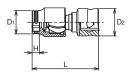






3441MZ Nut Grip Universal Sockets Nut Grip® Vasos Sujeta-Tuercas con Articulación Universal







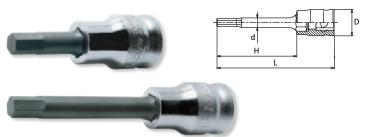
RS3441MZ/6 Socket Set on Rail Juego de Vasos en Regleta



3010MZ-50 · -75 ●



Inhex Bit Sockets Vasos con Punta Hexagonal

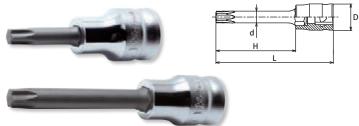


RS3010MZ/8-L50 Socket Set on Rail Juego de Vasos en Regleta RS3010MZ/8-L75



3025Z-50 · -75 ♠





RS3025Z/8-L75



RS3025Z/8-L50 Socket Set on Rail Juego de Vasos en Regleta



3441MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
8	12	17	4.5	41.5	45	10
10	14.5	17	4.5	41.5	47	10
12	16.8	17	5.5	42.5	50	10
13	17.8	17	5.5	42.5	53	10
14	19.5	17	7	44	55	10
17	23.4	17	8.5	45.5	66	10

	RS3441MZ/6	6 Pieces Set/Rail 200mm	ДĨД (g)
New		8, 10, 12, 13, 14, 17	435

3010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3	17	4	23.5	50	28	10
4	17	5	23.5	50	29	10
5	17	6	23.5	50	30	10
6	17	7	23.5	50	35	10
7	17	-	23.5	50	38	10
8	17	-	23.5	50	40	10
10	17	-	23.5	50	50	10
12	19	-	23.5	50	70	10
3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
						(pcs.)
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	
(mm)	(mm)	(mm)	(mm) 48.5	(mm) 75	(g) 33	10
(mm) 3 4	(mm) 17 17	(mm) 6 6	(mm) 48.5 48.5	(mm) 75 75	(g) 33 35	10 10
(mm) 3 4 5	(mm) 17 17 17	(mm) 6 6 6	(mm) 48.5 48.5 48.5	(mm) 75 75 75	(g) 33 35 36	10 10 10
(mm) 3 4 5 6	(mm) 17 17 17 17	(mm) 6 6 6 7	(mm) 48.5 48.5 48.5 48.5	(mm) 75 75 75 75	(g) 33 35 36 41	10 10 10 10
(mm) 3 4 5 6 7	(mm) 17 17 17 17 17	(mm) 6 6 6 7	(mm) 48.5 48.5 48.5 48.5 48.5	(mm) 75 75 75 75 75 75	(g) 33 35 36 41 45	10 10 10 10 10

RS3010MZ/8-L50	8 Pieces Set/Rail 200mm	₫Д (g)
3, 4, 5, 6, 7, 8	, 10, 12	460
RS3010MZ/8-L75	8 Pieces Set/Rail 200mm	₫Д (g)
3, 4, 5, 6, 7, 8	, 10, 12	530

3025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.9	23.5	50	38	10
T50	17	8.9	23.5	50	48	10
T55	19	11.3	23.5	50	70	10

3025Z.75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T20	17	4.5	48.5	75	32	10
T25	17	5	48.5	75	33	10
T27	17	5	48.5	75	33	10
T30	17	5.6	48.5	75	35	10
T40	17	6.7	48.5	75	41	10
T45	17	7.9	48.5	75	45	10
T50	17	8.9	48.5	75	55	10
T55	19	11.3	48.5	75	80	10

RS3025Z/8-L50	8 Pieces Set/Rail 200mm	ДД (g)
T20, T25 ,T27, T	30, T40, T45, T50, T55	450
RS3025Z/8-L75	8 Pieces Set/Rail 200mm	₫∄ (g)
T20, T25, T27, T	30, T40, T45, T50, T55	480

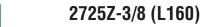
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, -					- ,	
	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2725Z-3/8	20.5	20.5	9.5	114	83	1

\* Renewal Kits → 2725RK-2(3/8) → P322

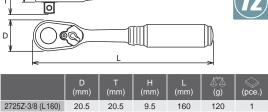






Reversible Ratchet Short
Llave de Carraca Reversible Corta

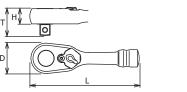




\* Renewal Kits → 2725RK-2(3/8) → P322



2725Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

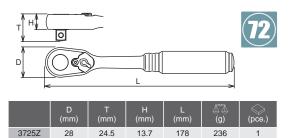


	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3725ZS	28	24.5	13.7	100	157	1

\* Renewal Kits → 3725RK-2 → P322







\* Renewal Kits → 3725RK-2 → P322







3725Z-280

Reversible Ratchet Llave de Carraca Reversible



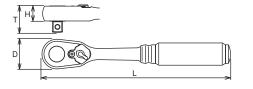


	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
3725Z-280	28	24.5	13.7	280	360	1

\* Renewal Kits → 3725RK-2 → P322



3725Z-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



### 2725ZB-3/8

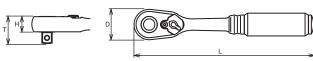
Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida





	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
2725ZB-3/8	20.5	20.5	9.5	114	83	1

\* Renewal Kits → 2725BRK-1(3/8) → P322

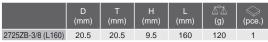


### 2725ZB-3/8 (L160)

Reversible Ratchet Long with Quick Release Button Llave de Carraca Reversible Langa con botón de extracción rápida

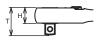


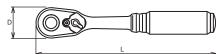




\* Renewal Kits → 2725BRK-1(3/8) → P322

2725ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value.In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury





### 3725ZSB

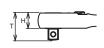
Reversible Ratchet Short with Quick Release Button Llave de Carraca Reversible Corta con botón de extracción rápida

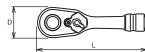




	D (mm)	T (mm)	H (mm)	L (mm)	₫" <u>/</u> (g)	(pce.)
37257SB	28	24.5	13.7	100	157	1

\* Renewal Kits → 3725BRK-1 → P322

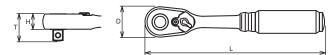




### 3725ZB







	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3725ZB	28	24.5	13.7	178	236	1

\* Renewal Kits → 3725BRK-1 → P322

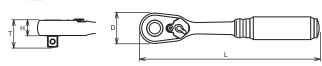
### 3725ZB-280

Reversible Ratchet Long with Quick Release Button Llave de Carraca Reversible Langa con botón de extracción rápida

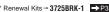








	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3725ZB-280	28	24.5	13.7	280	360	1





3725ZB-280 have longer handle than standard, and can be loaded to excessive 3725ZB-280 have longer handle than standard, and can be best torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

9.5

114

107

130

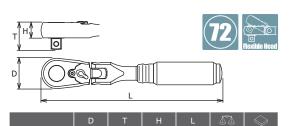
\* Renewal Kits → 2725RK-2(3/8) → P322

20.5

20.5

20.5

2726Z-3/8

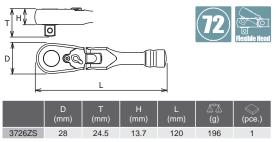


9.5

160

\* Renewal Kits → 2725RK-2(3/8) → P322

2726Z-3/8 (L160) 20.5



\* Renewal Kits → 3725RK-2 → P322



Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)



2726Z-3/8 (L160)

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





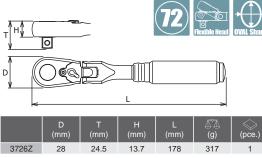


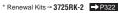
2726Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3726ZS

Flexible Ratchet, Reversible (Short) Llave de Carraca Flexible, Reversible (Corta)









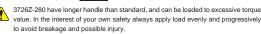
Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
3726Z-280	28	24.5	13.7	280	420	1

\* Renewal Kits → 3725RK-2 → P322





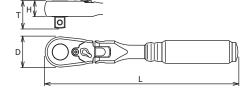
OVAL SHAPE SHANK





Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible







#### 2726ZB-3/8

Flexible Ratchet, Reversible with Quick Release Button (Short) Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)



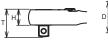


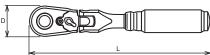




	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
2726ZB-3/8	20.5	20.5	9.5	114	107	1

\* Renewal Kits → 2725BRK-1(3/8) → P322





## 2726ZB-3/8 (L160)

Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, Reversible con botón de extracción rápida





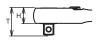


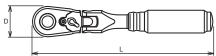
	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
2726ZB-3/8 (L160)	20.5	20.5	9.5	160	130	1

\* Renewal Kits → 2725BRK-1(3/8) → P322



2726ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury





#### 3726ZSB

3726ZB

Flexible Ratchet, Reversible with Quick Release Button (Short) Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)



Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, Reversible con botón de extracción rápida

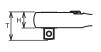


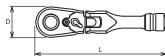




	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
3726ZSB	28	24.5	13.7	120	196	1

\* Renewal Kits → 3725BRK-1 → P322





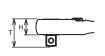








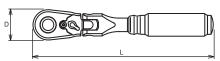




3726ZB-280

Flexible Ratchet, Reversible with Quick Release Button

Llave de Carraca Flexible, Reversible con botón de extracción rápida



	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3726ZB	28	24.5	13.7	178	317	1

#### \* Renewal Kits → 3725BRK-1 → P322



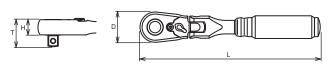




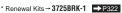








	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3726ZB-280	28	24.5	13.7	280	420	1





3726ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

RENEWAL KIT FOR HINGE HANDLE





3768Z-250 Hinge Handle Mango Articulado 3768Z-400 1





3768Z	D (mm)	L (mm)	₫Д (g)	(pcs.)
250	20.5	250	309	5
400	20.5	400	500	2

\* Renewal Kits → 3768ZRK → P323

D (mm)

17.5



3760Z 75

3768Z-400 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

<	L	<b>→</b>

#### Extension Bars Alargaderas 3760Z

3760LZ



0		
<	L	>

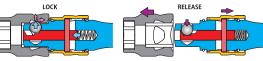


75

₫₫ (g)

66

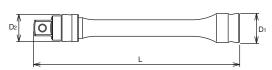
10

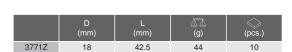


3760LZ	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
75	17.5	16.5	75	75	10
125	17.5	16.5	125	105	10
250	17.5	16.5	250	185	5

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



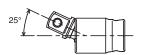


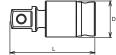




Universal Joint 3771Z Articulación Universal

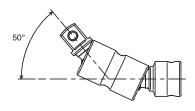


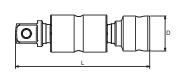




Universal Double Joint 3772Z Articulación Universal

	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3772Z	17	65	76	10







Quick Spinner Disco de Giro Rápido 3756Z







	D (mm)	L (mm)	₫₫ (g)	(pcs.)
3756Z	28	25	40	10

Outside diameter is smaller compared to standard 3756. Ideal for working in combination with 3725Z

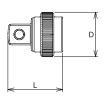


3756ZS

Quick Spinner Disco de Giro Rápido







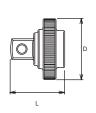
		D (mm)	L (mm)	ДĨД (g)	(pcs.)
375	6ZS	20.3	25	26	10

Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

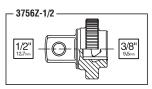
## 3756Z-1/2 Quick Spinner, Adaptor







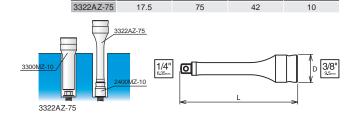
	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3756Z-1/2	28	29	52	10



#### 3322AZ-75

Extension Adaptor Adaptador Alargadera

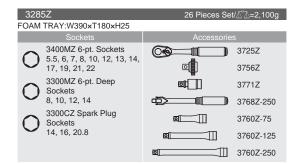


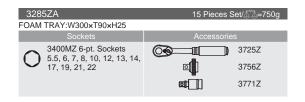


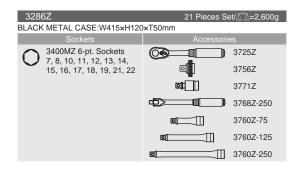


3/8"









3285ZE	9 Pieces Set/₷७=600g
Rail 200mm/PLASTIC BAG	
Sockets	Accessories
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	3725Z
	<b>₫</b> 3756Z

#### Socket Set Juego de Vasos 3285Z



#### Socket Set Juego de Vasos 3285ZA



#### Socket Set Juego de Vasos 3286Z



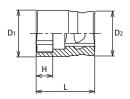


4400MZ O 6-point Sockets Vasos Hexagonales









4400MZ (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12.9	20.6	4.5	26	30	10
10	15	20.6	4.5	26	31	10
12	17	20.6	5.5	27	32	10
13	18.3	21.5	6.5	28	40	10
14	19.5	21.5	6.5	28	40	10
16	22	21.5	7.5	29	43	10
17	23	22.5	7.5	29	49	10
18	24.1	23.7	7.5	29	56	10
19	25.3	24.4	9.5	29	62	10
21	27.6	26.3	10.5	29	76	10
22	28.8	27.5	11	29	83	10
24	31.1	29.2	12	29	96	5
27	34.6	32.2	13.5	30	124	5
30	38.1	35.2	14.5	31	156	5
32	40.4	36.8	15.5	32	178	5

RS4400MZ/10



Socket Set on Rail
Juego de Vasos en Regleta

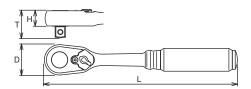


RS4400MZ/10 10 Pieces Set/Rail 300mm	₫¼ (g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27	830

4725Z

Reversible Ratchet Llave de Carraca Reversible





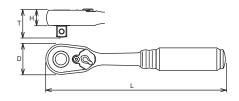


	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4725Z	36.5	32.8	18.2	253	595	1

\* Renewal Kits → 4725RK-2 → P322

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida 4725ZB





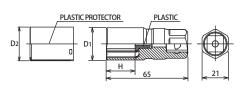




	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	
4725ZB	36.5	32.8	18.2	253	595	1	

\* Renewal Kits → 4725BRK-1 → P322

1/2" z-s



4300PMZ.65 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	Colour	Ø∄ (g)	(pcs.)
17	23.7	25.2	21		135	10
19	25.7	27.2	23		150	10
21	27.5	29	25		155	10
22	29	30.5	26		165	10

Please note that thin walled design is only for wheel nut work and Torque rating is limited.



4300PMZ-65 Wheel Nut Sockets Vasos para Ruedas







720



4768Z-430





\* Renewal Kits - 4768ZRK - P323

4768Z-430

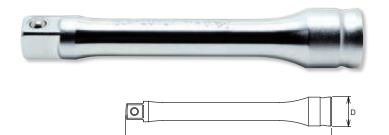
28



(mm)

430

Extension Bars Alargaderas 4760Z



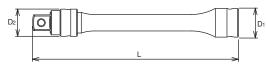
4760Z	D (mm)	L (mm)	₫Ъ (g)	(pcs.)
125	23	125	180	5
250	23	250	340	5

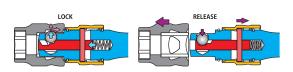
4760LZ

Locking Extension Bars
Alargadera con Bloqueo









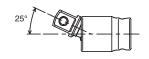
4760LZ	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
125	23	20.5	125	186	5
250	23	20.5	250	346	5

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

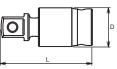
Universal Joint Articulación Universal 4771Z













50°

	D (mm)	L (mm)	₫Д (g)	(pcs.)
4772Z	23.7	87.2	170	5

	RSX772Z/3	3 Pieces Set/Rail 200mm	₫₫ (g)
New	2772Z, 3772Z,	4772Z	290
	1/4" + 3/8" + 1/2"		

∆` (g)

84

10

D (mm)

36.3

33.5

4756Z

## 4772Z

Universal Double Joint Articulación Universal



1/2"

### **RSX772Z/3**

Universal Joints 1/4", 3/8", 1/2" 3 pcs set on rail Juego de Articulaciones Universales 1/4", 3/8", 1/2" en Regleta



4756Z

**Q**uick Spinner Disco de Giro Rápido



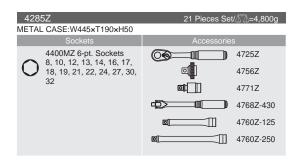


## 4285Z

Socket Set Juego de Vasos

1/2"







4285ZE	11 Pieces Set/ὧື =1,380g
Rail 300mm/PLASTIC BAG	
Sockets	Accessories
4400MZ 6-pt. Sockets 10, 12, 13, 14, 17, 19, 21,22, 24	4725Z
21,22, 24	<b>□</b> 4756Z





	<u> </u>	(mm)	(pcs.)	(g)	(pce.)
1/4×12	1/4"	200	12	125	1
3/8×8	3/8"	200	8	130	1
	<u> </u>	RAIL	CLIP	ΔÃ	冞
RSAL300		(mm)	(pcs.)	(g)	(pce.)
3/8×12	3/8"				$\sim$

## **RSAL** CLIP.P/5



#### RAIL

RSAL200

	RAIL (mm)	₫Д (g)	(pce.)
RSAL-200	200	110	1
RSAL-300	300	145	1
RSAL-400	400	210	1

#### CLIP

CLIF			
CLIP.P/5	Ø	Д <sup>™</sup> Д (g)	(pcs.)
1/4	1/4"	10	5
3/8	3/8"	13	5
1/2	1/2"	20	5



Hand	Sock	ate							1	quare Dr							
Hanu	JUCK		1/4"(6 No.	.35mm)SQ	Page	3/8"(9	9.5mm)SQ.	Page	1/2"(12 No.	2.7mm)SC	<b>).</b> Page	3/4" No.	(19mm)SQ	• Page	1"(25 No.	i.4mm)SQ	Page
	0	6-point	2400M 2400A 2400W	mm inch BA	48 48 49	3400M 3400A 3400W	mm inch BSW	69 69 70	4400M 4400A 4400W	mm inch BSW	104 105 105	6400M 6400A	mm inch	134 134	8400M 8400A	mm inch	142 142
	0	12-point	2405M 2405A AS2405A	mm inch inch	48 48 48	3405M 3405A 3405W	mm inch BSW	69 69 70	4405M 4405A 4405W	mm inch BSW	104 105 105	6405M 6405A	mm inch	134 134	8405M 8405A	mm inch	142 142
	$\bigcirc$	Surface	2410M	mm	49	3410M	mm	70	4410M	mm	106						
	0	NUT GRIP®	2450MS 2450AS	mm inch	50 50	3450M 3450A 3450MH	mm inch mm	72 72 72	4450M	mm	107						
-	0	NUT GRIP® (3-ball)	2455AS	inch	50												
Standard Sockets	0	TORX® (E)	2425	TORX®	51	3425	TORX®	71	4425 4425-N	TORX® TORX®	106 106	6425	TORX®	134			
	0	TORX®(E) (NUT GRIP®)				3425(2B)	TORX®	72									
	0	TORXplus® (EP)							4425-EPL	TORXplus®	107						
	Ŏ	TORXplus® (EPR)							4425-EPRL	TORXplus®	107						
	0	LH-S				3400LH	LH-STIX®	71	4400LH	LH-STIX®	107						
	Ŏ	Double Square	2415M 2415A	mm inch	49 49	3415M 3415A	mm inch	71 71									
	Ö	6-point	2300X	mm	51	3300X 3300XA	mm inch	73 73									
	Ŏ	12-point				3305X 3305XA	mm	73 73									
Semi Deep Sockets	Ŏ	NUT GRIP®	2350X	mm	51	3350X	mm	73									
	$\tilde{\bigcirc}$	6-point	2300M 2300A	mm inch	52 52	3300M 3300A	mm inch	74 74	4300M	mm	108	6300M	mm	135			
	$\cup$	6-point	2300W	BA	53	3300W	BSW	75	4300A	inch	108	6300A	inch	135			
	0	12-point	2305M 2305A AS2305A	mm inch inch	52 52 52	3305M 3305A 3305W	mm inch BSW	74 74 75	4305M 4305A	mm inch	108 108	6305M 6305A	mm inch	135 135			
	$\bigcirc$	Surface	2310M	mm	53	3310M	mm	75	4310M	mm	109						
Deep Sockets	Ŏ	NUT GRIP®	2350M	mm	53	3350M	mm	76									
	Ŏ	TORX® (E)	2325	TORX®	53	3325	TORX®	76	4325	TORX®	109						
	()	Flare Nut				3300FN	mm	76									
	$\tilde{\cap}$	6-point				3300M(L12	<b>0)</b> mm	77	4300M(L120	) mm	108						
	$\tilde{\cap}$	12-point				3305M(L12	<b>0)</b> mm	77									
	$\tilde{\circ}$	NUT GRIP®				3350M(L12		77									
Extra Deep Sockets	Ŏ	TORX®				3350A(L120	D) inch	77	4325(L140)	TORX®	109						
	Š	(E) TORX®(E)							4325(L140)-2	B TORX®	109						
Fishering Contains	Ŏ	(NUT GRIP®) 12-point				3117M	mm	80	4117M	mm	111						
Extension Sockets	$\tilde{\cap}$	6-point	2440M	mm	54	3440M	mm	78	4440M	mm	110						
4.0			2440A 2445M	inch	54 54	3440A 3445M	inch	78 78	4440A 4445M	inch	110						
The same	$\circ$	12-point	2445A AS2445A	inch inch	54 54	3445A 3445W	inch BSW	78 78	4445A	inch	110						
Universal Sockets	Ŏ	NUT GRIP® TORX®	2441M	mm	54	3441M	mm	79									
les v	O	(E)	2440T	TORX®	54	3440T	TORX®	78	4440T	TORX®	110						
Universal Deep Sockets	$\stackrel{\sim}{=}$	6-point				3340M	mm	79									
	<b>(+)</b>	PH	2000	PH	55	3000	PH	80	4000	PH	111						
	<b>(+)</b>	PZ	2000(PZ)	PZ	55	3000(PZ)	PZ	80	4000(PZ)	PZ	111						
	$\ominus$	Slotted	2005	Slotted	55	3005 3010M	Slotted	80	4005 4010M	Slotted	111						
		Hexagon	2010M 2010A	mm inch	56 56	3010M 3010A 3012M 3012A	mm inch mm inch	81 81 82 82	4010M 4010A 4012M 4012A	mm inch mm inch	112 112 116 117	6012M	mm	135	8012M	mm	143
		Hexagon (Grip Ring)				3015M	mm	83									
Bit Sockets		Hexagon (Ba <b>ll</b> Point)	2011M	mm	56	3011M	mm	83									
		XZN (Triple Square)	2020	XZN	57	3020	XZN	84	4020	XZN	113						
		TORX® (T)	2025(T)	TORX®	57	3025(T)	TORX®	85	4025(T)	TORX®	114						
		TORX® (TH)	2025(TH)	TORX®	57	3025(TH)	TORX®	86									
		TORXplus® (IP)	2025(IP)	TORXplus®	58	3025(IP)	TORXplus®	87	4025(IP)	TORXplus®	115						
		TORXplus® (IPR)	2025(IPR)	TORXplus®	58	3025(IPR)	TORXplus®	87									
		Ribe CV				3027	Ribe CV	84	4027	Ribe CV	115						
West		Hexagon	2430M	mm	55	3430M	mm	79									
Universal Bit Sockets		TORX® (T)	2430T	TORX®	55												
	•	· · /	ı			I			l .			1			I .		

						Square D	rive				
Handles/Acces	sories	1/4"(6.35mm)S0 No.		3/8"(9.5mm)S(	<b>Q.</b> Page	<b>1/2"(12.7mm)S</b> No.		<b>3/4"(19mm)SQ.</b> No.		<b>1"(25.4mm)SQ.</b> No.	
	Standard	2753 series 2752 series	59-60 60	3749N 3753 series 3752 series	88 90-91 89	4749N-250 4753 series 4750 series 4752 series	Page 118 120-121 119 120	6749 6752	136 136	8749	Page 144
	Short	2753PS series	59	3749S series	88						
Ratchet Handles	Long	2753P-160	59	3753P-250	90	4749-380 series 4753P-410	118 120	6749-1000	136	8749-1000	144
	Compact			2749-3/8 series	88	3749S-1/2 series	118				
	Others			3753SM series 3757	90-91 95						
	Standard	2774 series	61	3774 series	92-94	4774 series	122-123				
	Short	2774PS 2774JS	60 60	3774PS	92						
	Long					4774P-450	122				
Flexible Ratchet Handles	Compact			2774-3/8 series	92						
	Swivel Head			3776 series	89						
	Speeder			3774P-SR	93						
	Standard	2768 series	62	3768-250 series	97	4768-380 series	124	6768	138	8768	144
4	Short			3768N-175	97	4768N-300	124				
Hinge Handles	Long			3768N-300	97	4768-450 series	124	6768-600	138	8768-1000	144
	Extra Long			3768P-380	97	4768-600 series	124	6768-1000	138		
+	Standard	2785 series	64	3785	99	4785	127	6785	138	8785	144
T-type Slide Handles	Long									8785-700	144
	Standard	2769N	63	3769N	98						
Spin Type Handles	Wobble-Fix	2769NWF	63	3769NWF	98						
	Others	2769F 2769H	63 63	3769Н	98						
L-handles						4788 4747	127 127	6788	138	8788	144
	Standard	2780	64	3780	99	4780-400	126				
Speed Handles	Flexible					4781N-450	125				
	Standard	2760	62	3760	96	4760	126	6760	137	8760	143
Extension Bars	Wobble-Fix	2763	62	3763	96	4763	126				
	Flexible	2762	61	3762	95						
Unive	rsa <b>l</b> Joints	2770 2771	64 64	3770 3771	98 98	4770 4771	125 125	6770	139	8770	143
Adapt	ors	2233A	64	3322A 3344A	99 99	4433A 4466A	127 127	6644A 6688A	139 139	8866A	143
Ratch	et Adaptors	2755	61	3755	95	4755	125	6755	137		
Quick	Spinners	2756	61	3756	95	4756	125				







<u> </u>	1		1	
	W	V 7//		
≺H≻				
				D <sub>2</sub>

2400M 2405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	5.5	11.2	2.6	22	7	10
3.5	6.1	11.2	3	22	7	10
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

2405M · 2405A	12-point Sockets Vasos Bihexagonales

<b>1</b> D <sub>1</sub> -		D <sub>2</sub>
1		1
	<h>&gt;</h>	

RS2405M/12 ШШ



RS2400A/9 Socket Set on Rail
Juego de Vasos en Regleta RS2405A/9

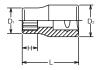


AS2405A

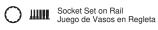








RSAS2405A/10







2400A 2405A (inch)	D <sub>1</sub> (mm)	D₂ (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	5.7	11.2	2.7	22	7	10
5/32	6.7	11.2	3.5	22	8	10
3/16	7.8	11.2	5	22	8	10
7/32	8.5	11.2	5.5	22	9	10
1/4	9.6	11.2	5.8	22	9	10
9/32	10.3	11.2	6	22	9	10
5/16	11.2	11.7	6.9	22	11	10
11/32	12.5	11.7	7.3	22	12	10
3/8	13.7	12.5	7.7	22	15	10
7/16	15.5	14.3	9.3	22	18	10
1/2	18	16.4	9.8	22	23	10
9/16	19.3	17.9	11	24	30	10

RS2400M/12	12 Pieces Set/Rail 200mm	Д¯Д (g)
4, 5, 5.5, 6, 7, 8	3, 9, 10, 11, 12, 13, 14	200
		$\pi^{\circ}\pi$

RS2405M/12	12 Pieces Set/Rail 200mm	ДД (g)
4, 5, 5.5, 6, 7,	8, 9, 10, 11, 12, 13, 14	200

RS2400A/9 9 Pieces Set/Rail 150mm	₫∄ (g)
3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2	162

RS2405A/9 9 Pieces Set/Rail 150	mm (g)
2/16 7/20 1/4 0/20 E/16 11/20 2/9 7/16 1/2	162

AS2405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3/16	7.7	10.9	5.1	22	8	10
7/32	8.5	10.9	5.5	22	8	10
1/4	9.4	10.9	5.9	22	8	10
9/32	10.2	10.9	6.1	22	8	10
5/16	11.3	11.7	7.3	22	10	10
11/32	12.5	12	7.5	22	10	10
3/8	13.7	12.9	8.2	22	13	10
7/16	15.6	14.3	9.4	22	17	10
1/2	17.2	16.4	10.3	22	20	10
9/16	18.8	17.9	11	24	27	10

Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

RSAS2405A/10 10 Pieces Set/Rail 150mm	₫Д (g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	160

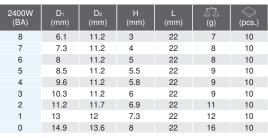
Hand Sockets

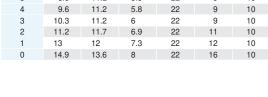
2410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

RS2410M/12 12 Pieces Set/Rail 200mm	₫∄ (g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	222

# Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo) 2410M SURFACE DRIVE

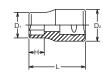






RS2400W/9-BA	9 Pieces Set/Rail 150mm	₫Д (g)
	8, 7, 6, 5, 4, 3, 2, 1, 0	120

#### 6-point Sockets Vasos Hexagonales 2400W-BA



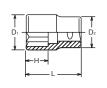




`	В	A	8BA	7BA	6BA	5BA	4BA	3ВА	2BA	1BA	0BA
S	s	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	5	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	10.3	11.2	5.4	22	10	10
6	11	11.7	5.4	22	13	10
7	12.5	11.7	6.1	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10
2415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	11	11.7	5.4	22	14	10
5/16	14.3	12.9	6.8	22	17	10
3/8	17.4	16	8.2	22	26	10

## 2415M · 2415A 🔘





Double Square Sockets Vasos Octagonales

## 2450MS · 2450AS



Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®







PI	
	T ,
← H → L	

2450MS (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
5	9.2	11.2	3.5	17	6	10
5.5	9.8	11.2	3.5	17	7	10
6	10.2	11.2	3.5	17	8	10
7	11.5	11.2	4	17	8	10
8	12.3	11.7	5	18	9	10
9	13.3	12	5.5	19	12	10
10	14.3	12.9	6	19	13	10
11	15.8	14.3	6.5	20	15	10
12	16.8	16	7	20	22	10
13	18	17	8	21	22	10
14	20	18	8.5	22	31	10

2450AS (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/4	10.7	11.2	3.5	17	8	10
5/16	12.3	11.7	5	18	9	10
3/8	14.3	12.9	6	19	14	10
7/16	16	14.3	6.5	20	17	10
1/2	18	16.4	8	21	23	10
9/16	20	18	8.5	22	31	10

## RS2450MS/6 RS2450MS/11



Socket Set on Rail
Juego de Vasos en Regleta



RS2450MS/6	6 Pieces Set/Rail 150mm	(g)
	7, 8, 10, 12, 13, 14	120

RS2450MS/11	11 Pieces Set/Rail 200mm	₫Д (g)
5, 5,5, 6, 7, 8,	9. 10. 11. 12. 13. 14	194

## RS2450AS/6





Socket Set on Rail
Juego de Vasos en Regleta



#### RS2450AS/6 1/4, 5/16, 3/8, 7/16, 1/2, 9/16 120

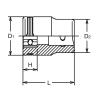
#### 2455AS



Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®







#### RS2455AS/6



Socket Set on Rail
Juego de Vasos en Regleta



2455AS (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7/32	10.2	11.2	3.5	17	8	10
1/4	11.8	11.2	3.5	17	9	10
9/32	12.5	11.2	4	17	10	10
5/16	13.5	11.7	5	18	12	10
11/32	14.1	12	5.5	19	14	10
3/8	15.4	12.9	6	19	16	10
7/16	17	15	6.5	20	21	10
1/2	18.9	17	8	21	26	10
9/16	20.7	18.7	8.5	22.5	34	10



RS2455AS/6	6 Pieces Set/Rail 150mm	Д́Д (g)
1/4, 5/16, 3/8	, 7/16, 1/2, 9/16	138

2425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10
E11	12.9	12	8.7	22	13	10
E12	14.3	12.9	9.3	23	17	10

TORX® Sockets Vasos TORX®





RS2425/6

6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos

Socket Set on Rail Juego de Vasos en Regleta



E4, E5, E6, E7, E8, E10 **TORX®** (E)



RS2425/6

E E4 E5 E6 E7 E8 E10 E11 E12 E14 E16 E18 E20 E22 E24 E26 E28 E30  S1 (ref. mm) 3.7 4.6 5.6 6.1 7.4 9.3 9.9 11.0 12.8 14.6 16.5 18.3 20.1 22.0 23.7 25.5 27.3  S2 (ref. mm) 2.7 3.3 4.0 4.3 5.3 6.8 7.1 7.9 9.2 10.5 11.9 13.2 14.8 15.7 17.5 18.3 20.0		E .	ΕA	ES	E6	E7	EΩ	E10	E11	E12	E1/	E16	E10	E20	E22	E24	E26	E29	E30	E32
S <sub>2</sub> (ref mm) 27 33 40 43 53 68 71 79 92 105 119 132 148 157 175 183 200																				
62 (continuity) 2.17 cite 1.16 cite 1.17 cite 2.16 cite 1.116 cite 1.116 cite 2.16	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2300X

11.2 6.7 11.2 5.5 5.5 8.5 11.2 9.2 11.2 10.5 11.2 11.8 11.2 12.9 15.5 14.3 16.8 15.5 16.4 19.3 17.9 

(pcs.)
10
10
10
10
10
10
10
10
10
10
10
4.0

100
m

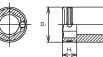
RS2300X/12 12 Pieces Set/Rail 200mm	₫∄ (g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	270

RS2300X/12 O Juli Socket Set on Rail Juego de Vasos en Regleta

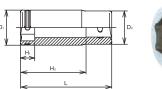


Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos

2350X (mm) 12.3 11.2 21.5 14.3 12.9 21.5 16.8 21.5 21.5 8.5 21.5 

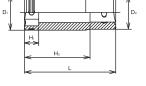


2350X





		JAN L	
		<b>₹</b> ₹7	







8, 10, 12, 14

RS2350X/4





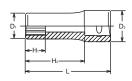


H <sub>1</sub> = H <sub>2</sub>
---------------------------------

2300M 2305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫'∄ (g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2305M • 2305A 12-point Deep Sockets Vasos Bihexagonales Largos





5.7 3.5 40 50 15 10 1/8 11.2 5/32 6.7 112 40 50 15 10 3/16 5.5 40 50 17 10 7.8 11.2 7/32 8.5 11.2 6 40 50 17 10 1/4 9.8 11.2 7 40 50 25 10 9/32 10.5 112 8 40 50 25 10 5/16 11.8 11.2 9 40 50 25 10 11/32 12.5 11.7 10 40 50 30 10 3/8 13.7 12.5 11 40 50 34 10 7/16 15.5 14.3 12 39 50 43 10 1/2 18 16.4 14 39 50 52 10 9/16 19.3 17.9 38 50 10

RS2300M/12 Socket Set on Rail Juego de Vasos en Regleta

RS2305M/12 () .....



RS2300M/12	12 Pieces Set/Rail 200mm	Ø) (g)
4, 5, 5.5	, 6, 7, 8, 9, 10, 11, 12, 13, 14	400
		₹73

400

4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

AAAAA			
	L		1

Socket Set on Rail
Juego de Vasos en Regleta RS2300A/9 RS2305A/9



RS2300A/9 9 Pieces Set/Rail 150mm	₫Д (g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	296

RS2305A/9 9 Piece	s Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8	3. 7/16. 1/2	296

		Pilon.

AS2305A	$\bigcirc$	12-point Deep Sockets, AS954 Vasos Bihexagonales Largos, AS954	SAE





*	1
D <sub>1</sub>	U b₂
<-H₁-> 	
H <sub>2</sub> ————————————————————————————————————	_

<b>↑</b>	Da	
*	-H.→	

RS	AS	23	05/	4/1	0	0	ШШ	Socket Set on Rail Juego de Vasos en Reg	jle
_	-	-	-	-	-	-	-	-	



AS2305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
3/16	7.7	10.9	6	40	50	17	10
7/32	8.5	10.9	6.5	40	50	17	10
1/4	9.4	10.9	7	40	50	19	10
9/32	10.2	10.9	8	40	50	18	10
5/16	11.3	11.7	9	40	50	23	10
11/32	12.5	12	10	40	50	24	10
3/8	13.7	12.8	11	39	50	31	10
7/16	15.6	14.2	12	39	50	38	10
1/2	17.2	16.2	14	39	50	42	10
9/16	18.8	17.1	16	38	50	47	10

Aerospace Standard SAE AS954 Norma Aeroespacial SAE AS954

RSAS2305A/10	10 Pieces set/Rail 150mm	ДД (g)
3/16, 7/32, 1/4, 9/32, 5/16	6, 11/32, 3/8, 7/16, 1/2, 9/16	307

2310M (mm) 5.5 11.2 6.7 11.2 4.5 7.3 11.2 4.5 11.2 5.5 5.5 8.5 11.2 9.2 11.2 10.5 11.2 11.8 11.2 14.3 12.9 15.5 14.3 16.8 15.5 16.4 19.3 17.9 

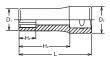
RS2310M/12	12 Pieces set/Rail 200mm	₫Д (g)
4, 5, 5.5, 6, 7, 8, 9, 10	), 11, 12, 13, 14	400



2310M 🔾



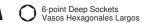


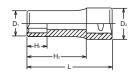


RS2310M/12 O Juliu Socket Set on Rail Juego de Vasos en Regleta



## 2300W-BA









10.5

11.8

14.9

11.2

11.2

11.2

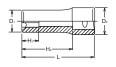
13.6

	BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
s	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
3	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
F10	11.6	12	8.2	40	50	29	10



TORX® Deep Sockets Vasos TORX® Largos



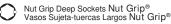




		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
		(ref. mm)																		
"	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2350M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
8	12.3	11.2	5	39.5	50	30	10
10	14.3	12.9	6	39.5	50	35	10
12	16.8	16	7	39.5	50	55	10
13	18	17	8	39.5	50	65	10
14	20	18	8.5	39.5	50	70	10

#### 2350M







RS2350M/4
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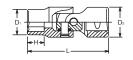






2440M • 2440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal

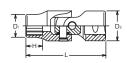






2445M • 2445A O 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





RS2445A/9



Socket Set on Rail
Juego de Vasos en Regleta

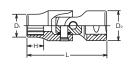


AS2445A ()



12-point Universal Sockets Vasos Bihex con Articulación Universal



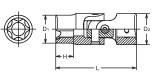


2440T



TORX® Universal Sockets Vasos TORX® con Aritculación Universal



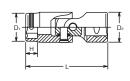


2441M



Nut Grip Universal Sockets Nut Grip® Vasos Sujeta-Tuercas con Articulación Universal







RS2441M/11



Socket Set on Rail
Juego de Vasos en Regleta



2440M 2445M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10
12	16.7	13	10	37	21	10
13	18	13	10.5	37	26	10
14	19.2	13	10.5	37	28	10

2440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

RS2445A/9 9 Pieces set/Rail 150mm	(g)
3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	220

AS2445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

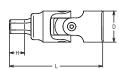
2440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

2441M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	9.2	13	3.5	31.5	20	10
5.5	9.8	13	3.5	31.5	20	10
6	10.2	13	3.5	31.5	20	10
7	11.3	13	4	31.5	20	10
8	12.3	13	5	32	20	10
10	14.5	13	6	32.5	21	10
11	15.5	13	6.5	33.5	21	10
12	16.8	13	7	34	24	10
13	18	13	8	35	25	10
14	20	13	8.5	35.5	30	10
15	21	13	9	36	32	10

RS2441M/11 11 Pieces Set/Rail 200mm	n (g)
5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14, 15	280



Universal Inhex Sockets Vasos Hexagonales con Articulación Universal



2430M



Hand Sockets

2430T (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

5.5

5.5

6.5

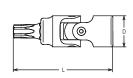
7.5

2430M

2430T



TORX® Universal Sockets Vasos TORX® con Articulación Universal



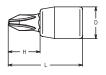


2000.28 (PH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

2000-28 (PH)



PH Bit Sockets Vasos con Punta PH



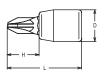


2000.28 (PZ)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

2000-28 (PZ)



PZ Bit Sockets Vasos con Punta PZ



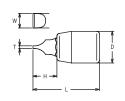


0.5× 3 11.9 0.8× 4 1.0× 5.5 11.9 1.2× 6.5 13.1 1.2× 8 13.1 1.6× 8 13.1 1.6×10 14.3 

2005-25

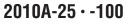


Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada





2010M-25 · -50 · -100 Inhex Bit Sockets Vasos con Punta Hexagonal











2010A.25 (inch)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1/8	11.9	9	25	9	10
5/32	11.9	9	25	9	10
3/16	11.9	9	25	10	10
7/32	11.9	9	25	11	10
1/4	11.9	9	25	12	10
9/32	13.1	8	25	12	10
5/16	13.1	8	25	14	10
3/8	14.3	8	25	17	10

2010A.100 (inch)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	11.9	84	100	29	10
5/32	11.9	84	100	30	10
3/16	13.1	83	100	45	10
7/32	13.1	83	100	46	10
1/4	13.1	83	100	46	10
9/32	13.1	83	100	47	10
5/16	13.1	83	100	49	10
3/8	14.3	83	100	75	10

RS2010M/7-L25 RS2010A/8-L25



Socket Set on Rail
Juego de Vasos en Regleta



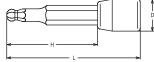
RS2010M/6-L50 Socket Set on Rail Juego de Vasos en Regleta



2011 IVI-50 Ballpoint Inhex Bit Sockets Vasos con Punta de Bola Inhex







2010M.25 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
1.5	11.9	9	25	9	10
2	11.9	9	25	9	10
2.5	11.9	9	25	9	10
3	11.9	9	25	9	10
4	11.9	9	25	9	10
5	11.9	9	25	10	10
6	11.9	9	25	12	10
7	13.1	8	25	12	10
8	13.1	8	25	14	10
10	14.3	8	25	17	10
12	16.4	8	25	36	10

	2010M.50 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
New	2	11.9	34	50	16	10
New	2.5	11.9	34	50	16	10
New	3	11.9	34	50	16	10
New	4	11.9	34	50	17	10
New	5	11.9	34	50	18	10
New	6	11.9	34	50	18	10

2010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10
12	16.4	83	100	107	10

RS2010M/7-L25	7 Pieces set/Rail 150mm	₫ <u>¯</u> (g)
3, 4, 5, 6, 7	7, 8, 10	115
RS2010A/8-L25	8 Pieces set/Rail 150mm	₫Д (g)
1/8, 5/32, 3/16, 7/32, 1	1/4, 9/32, 5/16, 3/8	130

	RS2010M/6-L50	6 Pieces set/Rail 150mm	Ø∑ (g)
New		2, 2,5, 3, 4, 5, 6	125

2011M.50 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	11.9	34	50	18	10

Ball point bit sockets have less strength due to the special design. Make sure to use Ball point on 2. them correctly.

(g) M4 11.9 12 10 M5 11.9 10 M6 11.9 12 28 13 10 M8 13.1 28 14 10 11

2020.50 (XZN)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
M4	11.9	34	50	20	10
M5	11.9	34	50	20	10
M6	11.9	34	50	22	10
M8	13.1	33	50	24	10







XZN	M4	M5	M6	M8	M10	M12	M14	M16	M18
S <sub>1</sub> (ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S <sub>2</sub> (ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

2025.28 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

	2025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	T10	11.9	34	50	16	10
New	T15	11.9	34	50	16	10
New	T20	11.9	34	50	16	10
New	T25	11.9	34	50	16	10
New	T27	11.9	34	50	17	10
New	T30	11.9	34	50	17	10
New	T40	11.9	34	50	18	10

2025.80 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T10	11.9	64	80	40	10
T15	11.9	64	80	40	10
T20	11.9	64	80	42	10
T25	11.9	64	80	42	10
T27	11.9	64	80	45	10
T30	11.9	64	80	45	10
T40	11.9	64	80	50	10

RS2025/7-L28 7 Pieces set/Rail 150mn	n	₫¼ (g)
T10, T15, T20, T25, T27, T30, T40		119

	RS2025/7-L50	7 Pieces set/Rail 150mm	Д¯Д (g)
New	T10, T15, T20, T2	25, T27, T30, T40	140

2025.28 (TH)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
T10H	11.9	12	28	10	10
T15H	11.9	12	28	10	10
T20H	11.9	12	28	11	10
T25H	11.9	12	28	11	10
T27H	11.9	12	28	12	10
T30H	11.9	12	28	12	10
T40H	11.9	12	28	13	10

RS2025/7-HOLE	7 Pieces set/Rail 150mm	Д¯Д (g)
T10H, T15H, T20H, T25H	, T27H, T30H, T40H	119



Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.



















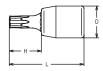
2025-28 (IP) •



TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®

TORX Blees





2025.28 (IP)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10



RS2025/7-IP Socket Set on Rail Juego de Vasos en Regleta



RS2025/7-IP	7 Pieces set/Rail 150mm	₫¼ (g)
10IP, 15IP, 20IP, 25	5IP, 27IP, 30IP, 40IP	119

**TORXPLUS® S**1 S2

II	P	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

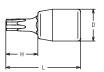
2025-28 (IPR)



Tamper-Resistant TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS® Indeformable

TORXALIOS®





2025.28 (IPR)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8IPR	11.9	12	28	10	10
9IPR	11.9	12	28	10	10
10IPR	11.9	12	28	10	10
15IPR	11.9	12	28	10	10
20IPR	11.9	12	28	11	10
25IPR	11.9	12	28	11	10
27IPR	11.9	12	28	12	10
30IPR	11.9	12	28	12	10
40IPR	13.1	12	28	13	10

RS2025/7-IPR Socket Set on Rail Juego de Vasos en Regleta





RS2025/7-IPR	7 Pieces set/Rail 150mm	₫Д (g)
10IPR, 15IPR, 20IPR, 25IPR,	27IPR, 30IPR, 40IPR	119

## TORXPLUS®



Si (ref. mm) 2.2 2.4 2.6 3.1 3.6 4.1 4.7 5.2 6.3 7.4 8	40.0
	10.6
S <sub>2</sub> (ref. mm) 2.0 2.2 2.4 2.8 3.3 3.8 4.3 4.8 5.7 6.7 7	9.7







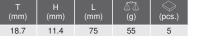


RATCHET HANDLE

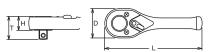
2753PS

Reversible Ratchet Short Llave de Carraca Reversible Corta





2753PS









\* Renewal Kits → 2753RK → P320

2753N

Reversible Ratchet Llave de Carraca Reversible









Renewal Kits → 2753RK → P320

2753P

Reversible Ratchet Llave de Carraca Reversible









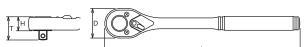
\* Renewal Kits → 2753RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pce.)
2753N	22	18.7	11.4	115	90	1
2753P	22	18.7	11.4	115	87	1
2753J	22	18.7	11.4	115	77	1

### 2753J

## Reversible Ratchet Llave de Carraca Reversible









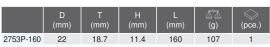


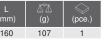
Renewal Kits → 2753RK → P320

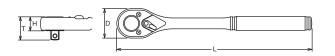
2753P-160

Reversible Ratchet Long
Llave de Carraca Reversible Larga









Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida 2753NB





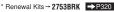


Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida







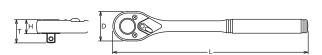


2753JB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida













\* Renewal Kits → 2753BRK → P320

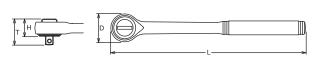
	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)
2753NB	22	18.7	11.4	115	90	1
2753PB	22	18.7	11.4	115	87	1
2753JB	22	18.7	11.4	115	77	1



Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

#### Reversible Ratchet Llave de Carraca Reversible 2752N







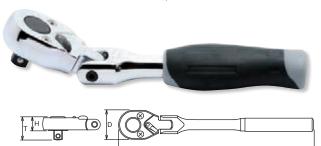
\* Renewal Kits → 2752RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
2752N	26.5	19.8	12.5	125	95	1

Flexible Ratchet, Reversible 2774PS Llave de Carraca Flexible, Reversible



Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible **2774JS** 









\* Renewal Kits → 2753RK → P320







\* Renewal Kits → 2753RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
2774PS	22	18.7	11.4	116	110	1
2774JS	22	18.7	11.4	116	113	1

2774N

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible











2774P

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible









2774J

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible



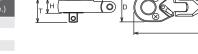








	D (mm)	T (mm)	H (mm)	L (mm)	Д″Д (g)	(pce.)
2774N	22	18.7	11.4	161	130	1
2774P	22	18.7	11.4	161	126	1
2774J	22	18.7	11.4	161	130	1





\* Renewal Kits → 2755RK → P321



Ratchet Adaptor Adaptador de carraca





Quick Spinner Disco de giro Rápido 2756



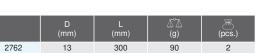






(pcs.)

Flexible Extension Bar 2762 Alargadera Flexible



20

19

21

10

D (mm)	L (mm)	₫ሽ (g)	(pcs.)

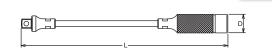
17.5

2756

2120

22

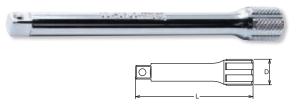
14.3







Extension Bars Alargaderas 2760



PK2760/6 Set Juego



Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 2763





PK2763/6



Hinge Handle 2768N Mango Articulado



Hinge Handle Mango Articulado 2768P



Hinge Handle Mango Articulado 2768J



2760	D (mm)	L (mm)	₫Д (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	35	10
100	12.3	100	44	10
150	12.3	150	63	10
200	12.3	200	83	10
250	12.3	250	103	10
300	12.3	300	122	2
350	12.3	350	145	2
400	12.3	400	160	2
600	12.3	600	240	2

PK2760/6	6 Pieces Set/ὧ∄=430g
PLASTIC TRAY	
Extension Bars	
2760 Extension Bars 28, 50, 100, 150, 200, 250	





2763	D (mm)	L (mm)	ДД (g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	33	10
100	12.3	100	43	10
150	12.3	150	62	10
200	12.3	200	80	10
250	12.3	250	100	10

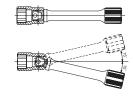
PK2763/6	6 Pieces Set/ὧື =420g
PLASTIC TRAY	
Extension Bars	
2763 Wobble-Fix Extension Bar 28, 50, 100, 150, 200, 250	

Wobble-Fix Extension Bar

Two way usage: One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

\* Renewal Kits → 2768RK → P323

\* Renewal Kits → 2768RK → P323

\* Renewal Kits → 2768RK → P323

	D (mm)	L (mm)	₫∄ (g)	(pcs.)
2768N	14	130	86	10
2768P	14	130	70	10
2768J	14	130	73	5

2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador



2769N	H (mm)	L (mm)	₫∄ (g)	(pcs.)
150	50	150	73	2
220	120	220	100	2



Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento.









2769NWF-150 · -220

Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulados-Fijos



2769NWF	H (mm)	L (mm)	₫Д (g)	⇒ (pcs.)
150	50	150	73	2
220	120	220	100	2

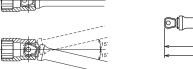


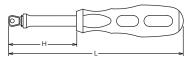
#### Wohble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

#### Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

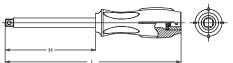




#### (g) 2769F 150 90

Spin Type Handle Mango Tipo Destornillador 2769F



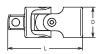


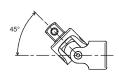
(g) 2769H 180



Universal Joint Articulación Universal 2770



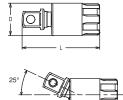




	D (mm)	L (mm)	₫Д (g)	(pcs.)
2770	13.0	33	20	10

Universal Joint Articulación Universal 2771

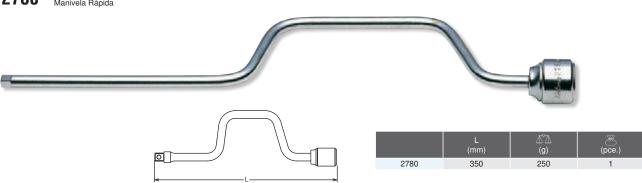




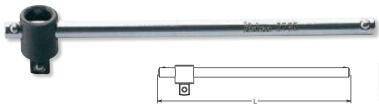
	D (mm)	L (mm)	₫∄ (g)	(pcs.)
2771	12.7	31	20	10
EDWARD ED				



Speed Handle Manivela Rápida 2780



T-Handle Mango Corredizo 2785



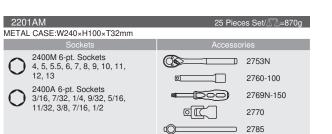
	L (mm)	(g)	(pcs.)
2785	115	36	10

Adaptor Adaptador 2233A



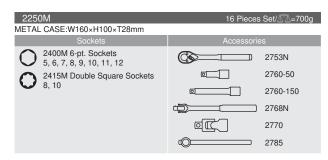


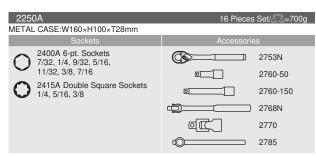
	凹 (sq.)	凸 (sq.)	D (mm)	L (mm)	₫∄ (g)	(pcs.)	
2233A	1/4"	3/8"	13.0	22	16	10	ĺ



#### Socket Set Juego de Vasos 2201AM







Socket Set Juego de Vasos 2250M · 2250A

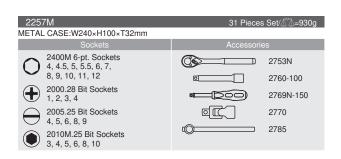




2257M

Socket Set Juego de Vasos





2260M

Socket Set Juego de Vasos

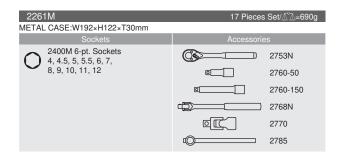


2260M	28 Pieces S	Set/∄∄=2,370g
METAL CASE: W370×H150×T50mm  Sockets	Accessori	22
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 12		2753N
1/4"		2760-50 2760-100
_		2769N-150
3400M 6-pt. Sockets 8, 10, 11, 12, 13, 14,		3749N
15, 17, 18, 19, 21		3760-75
0/01		3760-125
3/8"		3785
	٥	3322A

2261M

Socket Set Juego de Vasos





Hand Sockets

2275

METAL CASE:W192×H122×T30mm

Sockets

2400M 6-pt. Sockets
5.5, 6, 7, 8, 10, 12, 13

2000.28 Bit Sockets
1, 2, 3

2005.25 Bit Sockets
6, 8

2010M.25 Bit Sockets
3, 4, 5, 6

2275 Sockets Set Juego de Vasos



2276

METAL CASE:W192×H122×T30mm

Bits

Accessories

108P PH Bits
1, 2, 3

108S Slotted Bits
4, 5, 6

108H Hex Bits
3, 4, 5, 6

108T TORX® Bits
T10, T15, T20, T25, T27, T30

2276 Sockets Set with Bits and Accessories Juego de vasos con Puntas y Accesorios



2277

METAL CASE:W310×H90×T48mm

Sockets

2400M 6-pt. Sockets
5.5, 6, 7, 8, 9, 10, 11, 12, 13

2300M 6-pt. Deep Sockets
5.5, 6, 7, 8, 9, 10, 11, 12, 13

2763-75

2769N-150

Sockets Set Juego de Vasos



2277A-12P

21 Pieces Set/△△=1,240g

METAL CASE:W310×H90×T48mm

Sockets

2405A 12-pt. Sockets

7/32, 1/4, 9/32, 5/16, 11/32, 3/8,
7/16, 1/2, 9/16

2305A 12-pt. Deep Sockets
7/32, 1/4, 9/32, 5/16, 11/32, 3/8,
7/16, 1/2, 9/16

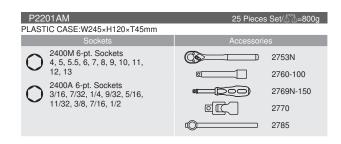
2769N-150

2277A-12P Sockets Set Juego de Vasos



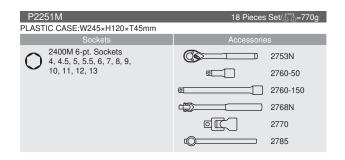
P2201AM Sockets Set Juego de Vasos





P2251M Sockets Set Juego de Vasos



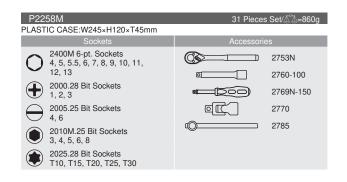


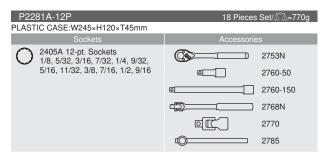
P2258M Sockets Set Juego de Vasos



P2281A-12P Sockets Set Juego de Vasos









Koken TOOL CO., LTD.

Hand Sockets

3400M 3405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10
25	33.3	29.5	16.5	34	115	5
26	34.5	30.5	17	35	129	5

3400A 3405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
9/32	10.8	17.3	6.5	26	20	10
5/16	12	17.3	7	26	22	10
11/32	13.3	17.3	7.5	26	23	10
3/8	13.9	17.3	8	26	23	10
13/32	13.3	17.3	7.5	26	23	10
7/16	15.8	17.3	8.5	26	25	10
1/2	18	17	9.5	26	24	10
9/16	19.5	18.5	11	27	31	10
19/32	20.8	19.5	11.5	28	39	10
5/8	22	20	12	28	42	10
11/16	24.5	22.5	13	30	51	10
3/4	25.8	23.5	13.5	30	63	10
25/32	27	24.5	14	31	75	10
13/16	28	26	14.5	32	77	10
7/8	29.5	26.5	15	32	82	10
15/16	32	28.5	16	34	102	10
1	34.5	30.5	17	35	132	5

RS3400M/8	8 Pieces Set/Rail 200mm	(g)
8, 10,	11, 12, 13, 14, 17, 19	300
BS3405M/8	8 Pieces Set/Bail 200mm	<b>\$\alpha\$</b>

RS3405M/8	8 Pieces Set/Rail 200mm	⊕`∆ (g)
	8, 10, 11, 12, 13, 14, 17, 19	300

RS3400M/12	12 Pieces Set/Rail 300mm	₫∄ (g)
8, 9, 10, 11, 12, 13, 14	, 15, 16, 17, 18, 19	465
RS3405M/12	12 Pieces Set/Rail 300mm	₫Ъ (g)

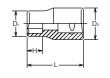
465

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

RS3400A/9	9 Pieces Set/Rail 200mm	₫∄ (g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/1	6, 5/8, 11/16, 3/4	333
RS3405A/9	9 Pieces Set/Rail 200mm	₫₫ (g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/1	6, 5/8, 11/16, 3/4	333



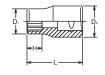






3405M⋅3405A ○







## **FLAT DRIVE®**

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut, The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el pernoltuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

RS3400M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/8



RS3400M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/12



Socket Set on Rail
Juego de Vasos en Regleta RS3400A/9 RS3405A/9



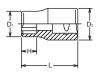


#### 3410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)





## SURFACE DRIVE

3410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



RS3410M/12 O Juliu Socket Set on Rail Juego de Vasos en Regleta



RS3410M/12 12 Pieces Set/Rail 300mm	₫Д (g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	468

7.5

8.5

9.5

11.5

13

14.5

15.5

17

26

26

26

28

30

32

33

35

22

25

24

39

51

81

103

128

10

10

10

10

10

10

10

5

389

D2

17.3

17.3

19.5

22.5

27.5

30.5

26

17

13.3

15.8

18

20.8

24.5

30.8

34.5

28

1/8

3/16

1/4

5/16

3/8

7/16

1/2

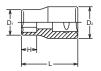
9/16

### 3400W



6-point Whitworth Sockets Vasos Hexagonales Whitworth



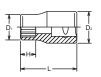


#### 3405W



12-point Whitworth Sockets Vasos Bihexagonales Whitworth





## RS3400W/7 RS3405W/7

# ШШ

Socket Set on Rail Juego de Vasos en Regleta



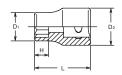
RS3400W/7	7 Pieces Set/Rail 200mm	ДД (g)
1/8, 3/16, 1	/4, 5/16, 3/8, 7/16, 1/2	389
RS3405W/7	7 Pieces Set/Rail 200mm	(a)

1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2

- BS W	<u> </u>																		
		s	s	<b>†</b>	Î	Î	BS•W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
				DO. M	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W			
		1	S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35				

# **3415M · 3415A** O Double Square Sockets Vasos Octagonales







3415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	⇔ (pcs.)
1/4	12	17.3	6	26	24	10
5/16	14.5	17.3	7	26	26	10
11/32	15.8	17.3	7.5	26	27	10
3/8	16.8	17.3	8	26	27	10
7/16	19.5	18.5	8.5	27	37	10
1/2	22	20	9.5	27	46	10

5.5

6.5

8

9

9.5

6

26

26

26

26

26

27

27

21

26

26

26

27

43

46

10

10

10

10

10

10

10

D<sub>2</sub> (mm)

17.4

17.3

17.4

17.3

17.3

19.5

20

10.8

13.3

14.5

16.8

20.8

21.9

12

3415M 5.5

6

7

8

10

12

13

3425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.6	17.3	4.6	26	18	10
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E11	13.3	17.3	8.7	26	25	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18	17	11.8	26	27	10

3425







RS3425/9	9 Pieces Set/Rail 200mm	₫¼ (g)
E4, E5, E6, E7, E8, E10	), E12, E14, E16	239



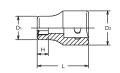
RS3425/9 Socket Set on Rail Juego de Vasos en Regleta





	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
Sa	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3400LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
8S	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10





RS3400LH/7	7 Pieces Set/Rail 150mm	₫¼ (g)
5S, 6S, 8S,	10S, 12S, 14S, 16S	315

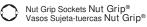




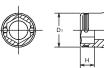
Socket Set on Rail
Juego de Vasos en Regleta



## 3450M · 3450A









# **NUT GRIP®**

Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

# RS3450M/8 Socket Set on Rail Juego de Vasos en Regleta RS3450M/10



## RS3450A/9





Socket Set on Rail
Juego de Vasos en Regleta





3450MH Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®











# RS3450MH/6



Socket Set on Rail
Juego de Vasos en Regleta



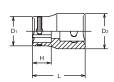
## 3425 (2B)



TORX® Sockets Nut Grip® Vasos TORX® Nut Grip®







# RS3425/4 (2B)



Socket Set on Rail Juego de Vasos en Regleta



3450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
8	12	17.3	5	26	21	10
10	14.5	17.3	6	26	24	10
11	15.8	17.3	6.5	26	26	10
12	16.8	17.3	7	26	26	10
13	18	17	8	26	28	10
14	19.5	18.5	8.5	27	34	10
15	20.8	19.5	9	27	42	10
16	22	20	9	27	50	10
17	23.3	21.5	9.5	28	62	10
18	24.5	22.5	10.5	29	64	10
19	25.8	23.3	11.5	29	66	10
21	28	26	12	29	85	10
22	29.5	27	12.5	29	90	10
24	32	30	14.5	31	102	10

3450A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
1/4	10.3	17.4	3.5	26	19	10
5/16	12	17.4	5	26	21	10
3/8	13.9	17.4	6	26	24	10
7/16	15.8	17.4	6.5	26	26	10
1/2	18	17	8	26	28	10
9/16	19.5	18.5	8.5	27	34	10
5/8	22	20	9	27	50	10
11/16	24.6	22.5	10.5	29	64	10
3/4	26	23.5	11.5	29	66	10

RS3450M/8	8 Pieces Set/Rail 200mm	₫Д (g)
8, 10, 11,	12, 13, 14, 17, 19	310
RS3450M/10	10 Pieces Set/Rail 250mm	₫Д (g)
10, 11, 12, 13,	, 14, 15, 17, 19, 21, 22	500

RS3450A/9	9 Pieces Set/Rail 200mm	ДД (g)
1/4, 5/16, 3/8, 7/16	5. 1/2. 9/16. 5/8. 11/16. 3/4	360

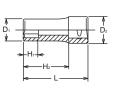
3.	450MH (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
	8	12	5	17	26	30	10
	10	14.5	6	17	26	30	10
	12	16.8	7	17	26	29	10
	13	18	8	17	26	28	10
	14	19.5	8.5	17	27	32	10
	17	23.3	9.5	17	29	41	10

RS3450MH/6	6 Pieces Set/Rail 150mm	₫Д (g)
	8, 10, 12, 13, 14, 17	230

3425 (2B)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	12	17.3	8.2	26	23	10
E12	14.5	17.3	9.3	26	25	10
E14	15.8	17.3	10.6	26	26	10
E16	18.1	17	11.8	26	27	10
E18	19.5	18.5	12	32	41	10
E20	21.9	20	14.4	32	52	10

RS3425/4(2B)	4 Pieces Set/Rail 150mm	₫ሽ (g)
	150	

FLAT DRIVE®





3300XA 3305XA (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д¯Д (g)	(pcs.)
1/4	10.3	17.3	7	26.5	40	32	10
5/16	12	17.3	9	26.5	40	34	10
3/8	13.9	17.3	11	26.5	40	36	10
7/16	16	17.2	12	26.5	40	36	10
1/2	18	17	14	26.5	40	37	10
9/16	20	18.5	16	26.5	40	46	10
5/8	22	20	17	25.5	40	51	10
11/16	24.5	22.5	19	24.5	40	68	10
3/4	25	23.5	20	24.5	40	75	10

14.5

16.8

23.5

24.5

17.3

17.3

17.3

17.2

17.2

26.5

26.5

26.5

26.5

26.5

26.5

26.5

25.5

25.5

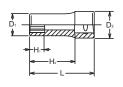
25.5

24.5

24.5

3305X · 3305XA

12-point Sockets, Semi-Deep Vasos Bihexagonales, Medianos





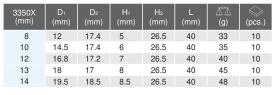
RS3300X/8	8 Pieces Set/Rail 200mm	₫∄ (g)
	8, 10, 11, 12, 13, 14, 17, 19	405
RS3305X/8	8 Pieces Set/Rail 200mm	₫Д (g)
	8, 10, 11, 12, 13, 14, 17, 19	405

RS3300X/8 Socket Set on Rail
Juego de Vasos en Regleta RS3305X/8 ШШ



RS3300XA/9	9 Pieces Set/Rail 200mm	₫₫ (g)
1/4, 5/16, 3/8, 7/16	5, 1/2, 9/16, 5/8, 11/16, 3/4	460
RS3305XA/9	9 Pieces Set/Rail 200mm	Д́Д (g)
1/4, 5/16, 3/8, 7/16	5, 1/2, 9/16, 5/8, 11/16, 3/4	460

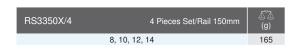






3350X



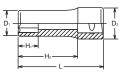




Hand Sockets 3/8"

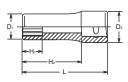






3305M · 3305A O 12-point Deep Sockets Vasos Bihexagonales Largos





RS3300M/8 O Julio Socket Set on Rail Juego de Vasos en Regleta

RS3305M/8

ШШ



# RS3300M/12 Socket Set on Rail Juego de Vasos en Regleta

11			

# RS3300A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3305A/9 



3300 3305 (mm	М	D <sub>1</sub> (mm)	D₂ (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
5.	5	8.9	17.3	6.5	41.5	55	37	10
6		9.9	17.3	7	41.5	55	37	10
7		10.6	17.3	8	41.5	55	37	10
8		12	17.3	9	41.5	55	40	10
9		13	17.3	10	41.5	55	42	10
10		14.5	17.3	11	41.5	55	46	10
11		16	17.2	12	41.5	55	51	10
12		16.8	17.2	13	41.5	55	52	10
13		18	17	14	41.5	55	53	10
14		20	18	16	41.5	55	60	10
15		21	20	16	40.5	55	74	10
16		22	20	17	40.5	55	76	10
17		23.5	22	18	40.5	55	93	10
18		24.5	23	19	39.5	55	98	10
19		25	24	20	39.5	55	98	10
20		26	25	21	49.5	65	126	10
21		27	26	22	49.5	65	126	10
22		29	28	23	48.5	65	163	10
23		30	29	24	48.5	65	168	10
24		31	30	25	47.5	65	191	10
25		33	30	26	47.5	65	199	10
26		34	31	27	47.5	65	209	10
27		35	32.5	28	47.5	65	218	10

3300A 3305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	8.3	17.3	6	41.5	55	35	10
7/32	8.9	17.3	6.5	41.5	55	35	10
1/4	9.9	17.3	7	41.5	55	37	10
5/16	12	17.3	9	41.5	55	40	10
11/32	12.3	17.3	10	41.5	55	41	10
3/8	14	17.3	11	41.5	55	46	10
7/16	16	17.2	12	41.5	55	51	10
1/2	18	17	14	41.5	55	53	10
9/16	20	18	16	41.5	55	60	10
19/32	21	20	16	40.5	55	74	10
5/8	22	20	17	40.5	55	76	10
11/16	23.5	22	18	40.5	55	93	10
3/4	25	24	20	39.5	55	98	10
13/16	27	26	22	49.5	65	126	10
7/8	29	28	23	48.5	65	163	10
15/16	31	30	25	47.5	65	191	10

RS3300M/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	540
RS3305M/8	8 Pieces Set/Rail 200mm	₫Д (g)
	8. 10. 11. 12. 13. 14. 17. 19	540

RS3300M/12 8, 9, 10, 11, 12, 13, 14,	12 Pieces Set/Rail 300mm , 15, 16, 17, 18, 19	(g) 878
RS3305M/12	12 Pieces Set/Rail 300mm	₫Д (g)
8, 9, 10, 11, 12, 13, 14,	, 15, 16, 17, 18, 19	878

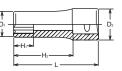
RS3300A/9	9 Pieces Set/Rail 200mm	ДД (g)
1/4, 5/16, 3/8, 7/16,	1/2, 9/16, 5/8, 11/16, 3/4	628
RS3305A/9	9 Pieces Set/Rail 200mm	₫∄ (g)

1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4

SURFACE DRIVE

3310M O Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos

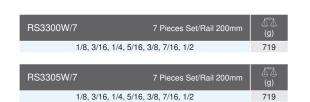




3310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫∄ (g)	(pcs.)
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	161	10

RS3310M/12 12 Pieces Set/Rail 300mm	₫₫ (g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	881

3300W 3305W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	12.3	17.3	10	41.5	55	46	10
3/16	16	17.3	12	41.5	55	55	10
1/4	18	17	14	41.5	55	57	10
5/16	21	20	16	40.5	55	79	10
3/8	24.5	23	19	39.5	55	96	10
7/16	27	26	22	49.5	65	140	10
1/2	30	29	24	48.5	65	193	10
9/16	34	31	27	47.5	65	250	10

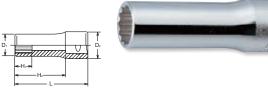






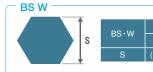


12-point Deep Whitworth Sockets Vasos Whitworth Bihexagonales Largos 3305W



RS3300W/7	0	ШШ	Socket Set on Rail Juego de Vasos en Regleta
RS3305W/7	0	ШШ	

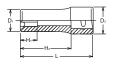




W 1/8W 3/16W 1/4W 5/16W 3/8W 7/16W 1/2W 9/16W 5/8W 11/16W 3/4W	BS∙W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
S (ref. mm) 8.64 11.30 13.34 15.24 18.03 20.83 23.37 25.65 27.94 30.48 33.3	B9.44	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
	S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

**3325** O TORX® Deep Sockets Vasos TORX® Largos





RS3325/9 Socket Set on Rail
Juego de Vasos en Regleta



3325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
E 4	5.6	17.3	4.6	41.5	55	29	10
E 5	6.9	17.3	5.2	41.5	55	31	10
E 6	7.9	17.3	5.4	41.5	55	33	10
E 7	8.9	17.3	6.6	41.5	55	36	10
E 8	9.9	17.3	7	41.5	55	39	10
E10	11.8	17.3	8.2	41.5	55	43	10
E11	13	17.3	8.7	41.5	55	50	10
E12	14.5	17.2	9.3	41.5	55	53	10
E14	15.7	17.2	10.6	41.5	55	57	10
E16	18	17	11.8	41.5	55	69	10

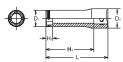
RS3325/9 9 Pieces Set/Rail 200mm	₫Д (g)
E4, E5, E6, E7, E8, E10, E12, E14, E16	420



	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

Nut Grip Deep Sockets Nut Grip® Vasos Sujeta-tuercas Largos Nut Grip® 3350M





Socket Set on Rail
Juego de Vasos en Regleta RS3350M/5



3350M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	5	41.5	55	50	10
10	14.5	17.4	6	41.5	55	54	10
12	16.8	17.2	7	41.5	55	58	10
13	18	17	8	41.5	55	59	10
14	19.5	18.5	8.5	41.5	55	71	10



RS3350M/5	5 Pieces set/Rail 150mm	ДД (g)
8, 10, 12, 13	3, 14	322

3300FN	Flare Nut Sockets Llaves de vaso para entubar
	D <sub>1</sub> D <sub>2</sub>



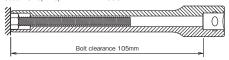
	3300FN (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	S (mm)	₫∄ (g)	(pcs.)
	8	14.5	17.3	6	53	6.4	38	10
	9	16	17.3	7	53	6.8	41	10
	10	16.8	17.2	7.5	53	7.2	42	10
	11	18	17	8.5	53	8.3	42	10
	12	20	18	9	53	8.8	50	10
	13	21.1	20	9.5	62	9.4	66	10
	14	22	20	10.5	62	10.5	66	10
	15	23	22	11	70	11.5	82	10
	16	24	23	11.5	70	12	90	10
	17	25	24	12.5	80	13	110	10
	18	27	25	13	80	13.5	120	10
	19	28	26	14	80	14.5	130	10
New	21	30	27.5	15	80	15.5	170	10
	22	32	29.5	16	80	16	180	10
	24	34.5	31.5	17	80	17	200	10

RS3300FN/6	6 Pieces Set/Rail 150mm	₫Д (g)
	8, 10, 12, 14, 17, 19	450



3300M-Size DEEP SOCKET





3300M(L120) 3305M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	17.3	9	106.5	120	85	10
10	14.5	17.3	11	106.5	120	110	10
12	16.8	17.2	13	106.5	120	116	10
13	18	17	14	106.5	120	155	5
14	20	18	16	106.5	120	166	5

3300M/4-L120	4 Pieces Set/₷७=477g
PLASTIC BAG	
Sockets	
3300M(L120) 6-point Extra Deep Socket 8, 10, 12, 14	ts
3305M/4-L120	4 Pieces Set/ハឺハ=477g
3305M/4-L120 PLASTIC BAG	4 Pieces Set/ὧ∄=477g
	4 Pieces Set/△──a477g

3350M(L120) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫ <u>7</u> (g)	(pcs.)
8	12	17.3	5	106.5	120	77	10
10	14.5	17.2	6	106.5	120	110	10
12	16.8	17.2	7	106.5	120	116	10

3350A(L120) (inch)	D₁ (mm)	D₂ (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
7/16	15.8	17.3	6.5	106.5	120	123	10
1/2	18	17	8	106.5	120	142	10
9/16	20	18.5	8.5	106.5	120	179	10



3350M/2-L120	2 Pieces Set/\$\tilde{\bar{A}} = 230g
PLASTIC BAG	
Sockets	
3350M(L120) Nut Grip Extra Deep 9	Sockets

#### 6-point Extra Deep Sockets Vasos Hexagonales Extra-Largos 3300M (L120)



12-point Extra Deep Sockets Vasos Bihexagonales Extra-Largos 3305M (L120)



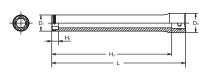
O Socket Set Juego de Vasos 3300M/4-L120 3305M/4-L120



# 3350M (L120) · 3350A (L120)

Extra Deep Sockets Nut Grip® Vasos Extra-Largos Nut Grip®





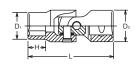
Socket Set Juego de Vasos 3350M/2-L120



3440M • 3440A O 6-point Universal Sockets Vasos Hexagonales Universal





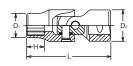


3445M · 3445A 🔘



12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





RS3440M/8 O Socket Set on Rail Juego de Vasos en Regleta RS3440A/8





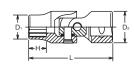


3445W



12-point Whitworth Universal Socket Vasos Whitworth Bihex con Articulación Universal





RS3445W/7



Socket Set on Rail
Juego de Vasos en Regleta

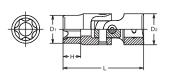


3440T



TORX® Universal Sockets Vasos TORX® con Articulación Universal





RS3440T/8



Socket Set on Rail
Juego de Vasos en Regleta



3440M 3445M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10

3440A 3445A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10

RS3440M/8	8 Pieces Set/Rail 200mm	Д¯Д (g)
	8, 10, 11, 12, 13, 14, 17, 19	550

RS3440A/8 8 Pieces Set/Rail 200mm	₫Д (g)
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	570

3445W (W)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

RS3445W/7	7 Pieces Set/Rail 200mm	₫₫ (g)
1/8, 3/16,	1/4, 5/16, 3/8, 7/16, 1/2	570

3440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10

RS3440T/8	8 Pieces Set/Rail 200mm	₫Д (g)
E6, E8, E10, E12, E14,	, E16, E18, E20	594



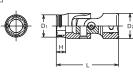
	11.0 12.8 14.6 16.5 18.3 20.1 22.0 23.7 25.5 27.3 29
S <sub>2</sub> (ref. mm) 2.7 3.3 4.0 4.3 5.3 6.8 7.	7.9 9.2 10.5 11.9 13.2 14.8 15.7 17.5 18.3 20.0 21

3441M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
8	12	19	5	46	57	10
10	14.5	19	6	46	58	10
11	15.8	19	6.5	46.5	61	10
12	16.8	19	7	47	58	10
13	18	19	8	48	60	10
14	19.5	19	8.5	49.5	65	10
15	21	19	9	50	69	10
16	22	19	9	50	70	10
17	23.5	19	9.5	51	73	10
18	24.6	19	10.5	51.5	76	10
19	26	19	11.5	52.5	80	10



3441M

Nut Grip Universal Sockets Nut Grip® Vasos Sujeta-Tuercas con Articulación Universal







RS3441M/5	5 Pieces Set/Rail 150mm	ДД (g)
	8, 10, 12, 13, 14	320

RS3441M/11 11 Pieces Set/Rail 300mm	Д¯Д (g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	750

3340M.75 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	∆ d d d d d d d d d d d d d d d d d d d	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18	24.5	19	19	34	75	119	10
19	25.8	19	20	33	75	123	10

RS3340M/8-L75	8 Pieces Set/Rail 200mm	₫¼ (g)
8, 10, 11, 12,	13, 14, 17, 19	810

3430M (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

RS3430M/6	6 Pieces Set/Rail 150mm	₫∄ (g)
	5, 6, 7, 8, 10, 12	470

# RS3441M/11

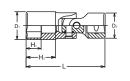


RS3441M/5 Socket Set on Rail Juego de Vasos en Regleta



3340M-75







RS3340M/8-L75



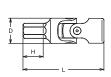
Socket Set on Rail
Juego de Vasos en Regleta



3430M



Universal Inhex Bit Sockets Vasos Inhex con Articulación Universal

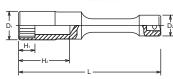






3117M-125 · -250 Extension Deep Sockets Vasos con Alargadera





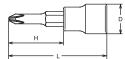
3117M.125 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)
10	14.5	18	10	44	125	121	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1

3117M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)
10	14.5	18	10	44	250	233	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1

3000-60 (PH)

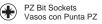




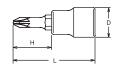


3000 (PH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

3000-50 (PZ)





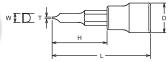


3000.50 (PZ)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
PZ1	18	23.5	50	50	10
PZ2	18	23.5	50	50	10
PZ3	18	23.5	50	50	10

3005-60







3005	T×W (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	<b>+</b>	*	$\overline{\bigcirc}$								
	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXPLUS® (IP)	TORXPLUS® (IPR)	Ribe-CV
<i></i>		Â		Î	2			ñ		À	
1/4"	No. <b>2000</b> series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No. <b>2025</b> series	No.2025(TH) series	No.2025(IP) series	No.2025(IPR) series	_
3/8"	No.3000 series	No.3000(PZ) series	No.3005 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A No.4012M/A series	_	No.4020 series	No.4025 series	_	No.4025(IP) series	_	No.4027 series

# 3010M-38 · -62 · -100 · -160 Inhex Bit Sockets Vasos con Punta Hexagonal 3010A-50







3010M.38 (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3	18	11.5	38	27	10
4	18	11.5	38	28	10
5	18	11.5	38	30	10
6	18	11.5	38	36	10
7	18	11.5	38	36	10
8	18	11.5	38	38	10
9	20	11.5	38	47	10
10	20	11.5	38	48	10
11	20	11.5	38	59	10
12	20	11.5	38	60	10
13	22	11.5	38	76	5

38

78

5

3010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
3	18	73.5	100	58	10
4	18	73.5	100	60	10
5	18	73.5	100	63	10
6	18	73.5	100	64	10
7	18	73.5	100	66	10
8	18	73.5	100	69	10
9	20	73.5	100	100	10
10	20	73.5	100	102	10
11	20	73.5	100	129	10
12	20	73.5	100	131	10
13	22	73.5	100	158	5
14	22	73.5	100	160	5

11.5

14

22

				<i>₽</i> ₹≒	
3010A.50 (inch)	D (mm)	H (mm)	(mm)	⊕`⊕ (g)	(pcs.)
1/8	18	23.5	50	35	10
5/32	18	23.5	50	36	10
3/16	18	23.5	50	36	10
7/32	18	23.5	50	38	10
1/4	18	23.5	50	40	10
9/32	18	23.5	50	42	10
5/16	18	23.5	50	44	10
11/32	20	23.5	50	59	10
3/8	20	23.5	50	60	10
7/16	20	23.5	50	74	10
1/2	22	23.5	50	91	5

RS3010M/8-L38	8 Pieces Set/Rail 200mm	ДД (g) 322
RS3010M/8-L62	8 Pieces Set/Rail 200mm	ДД (g) 490
RS3010M/8-L100	8 Pieces Set/Rail 200mm	₫Д (g)
3, 4, 5, 6, 7, 8 RS3010A/8-L50	8 Pieces Set/Rail 200mm	645 (g)
1/8, 5/32, 3/16, 7/32, 1	/4, 5/16, 3/8, 1/2	400

3010M.62 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
9	20	35.5	62	75	10
10	20	35.5	62	76	10
11	20	35.5	62	92	10
12	20	35.5	62	94	10
13	22	35.5	62	107	5
14	22	35.5	62	109	5

3010M.160 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	133.5	160	84	10
4	18	133.5	160	86	10
5	18	133.5	160	89	10
6	18	133.5	160	90	10
7	18	133.5	160	92	10
8	18	133.5	160	95	10
9	20	133.5	160	125	10
10	20	133.5	160	128	10
11	20	133.5	160	153	10
12	20	133.5	160	157	10
13	22	133.5	160	237	5
14	22	133.5	160	239	5

RS3010M/8-L38	ШШ	Socket Set on Rail Juego de Vasos en Regleta
RS3010M/8-L62	ШШ	
RS3010M/8-L100	ШШ	



Hand Sockets 3/8"

3012M-25 Inhex Sockets Vasos con Punta de Hexagonal

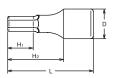






3012A -52 · -62 · -75 •





3012M.52 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	10	34	52	35	10
4	18	15.5	34	52	38	10
5	18	15.5	34	52	40	10
6	18	15.5	34	52	42	10
7	18	15.5	34	52	46	10
8	18.5	15.5	34	52	50	10
9	18.5	15.5	34	52	55	10
10	20	15.5	34	52	66	10
11	20	15.5	34	52	72	10
12	20	15.5	34	52	77	10
13	20	15.5	34	52	82	10
14	20	15.5	34	52	89	10

3012M.62 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	10	44	62	38	10
4	18	15.5	44	62	40	10
5	18	15.5	44	62	43	10
6	18	15.5	44	62	46	10
7	18	15.5	44	62	53	10
8	18.5	15.5	44	62	58	10
9	18.5	15.5	44	62	63	10
10	20	15.5	44	62	77	10
11	20	15.5	44	62	83	10
12	20	15.5	44	62	90	10
13	20	15.5	44	62	95	10
14	20	15.5	44	62	109	10

3012M.75 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

RS3012M/8-L52 Socket Set on Rail Juego de Vasos en Regleta

RS3012A/8-L52

			Л			
100	100	12		100	122	100

3012M.25 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18.5	5.5	10	25	22	10
4	18.5	5.5	10	25	22	10
5	18.5	6.5	10	25	22	10
6	18.5	7.5	10	25	23	10
7	18.5	10	-	25	24	10
8	18.5	10	-	25	25	10
10	18.5	10	-	25	27	10
12	18.5	10	-	25	30	10
14	19	10	-	25	30	10
17	19	10	-	25	30	10

3012M/A are for hand use only. Do not use with a power or impact wrench.

3012A.52 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	⇒ (pcs.)
1/8	18	10	34	52	35	10
5/32	18	15.5	34	52	38	10
3/16	18	15.5	34	52	40	10
7/32	18	15.5	34	52	42	10
1/4	18	15.5	34	52	44	10
9/32	18	15.5	34	52	46	10
5/16	18.5	15.5	34	52	50	10
11/32	18.5	15.5	34	52	55	10
3/8	20	15.5	34	52	65	10
7/16	20	15.5	34	52	72	10
1/2	20	15.5	34	52	82	10
9/16	20	15.5	34	52	89	10

3012A.62 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
1/8	18	10	44	62	38	10
5/32	18	15.5	44	62	40	10
3/16	18	15.5	44	62	43	10
7/32	18	15.5	44	62	46	10
1/4	18	15.5	44	62	48	10
9/32	18	15.5	44	62	53	10
5/16	18.5	15.5	44	62	58	10
11/32	18.5	15.5	44	62	63	10
3/8	20	15.5	44	62	73	10
7/16	20	15.5	44	62	83	10
1/2	20	15.5	44	62	95	10
9/16	20	15.5	44	62	109	10

3012A.75 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52	2	8 Pieces Set/Rail 200mm	ДĨД (g)
	3, 4, 5, 6, 7, 8,	10, 12	394

RS3012A/8-L52	8 Pieces Set/Rail 200mm	₫Д (g)
1/8, 5/32, 3/16, 7/32, 1	/4, 5/16, 3/8, 1/2	425

#### 3011M.62 (mm) (g) 35.5 35.5 35.5 35.5 35.5 35.5 35.5 35.5

3011M.100 (mm)	D (mm)	H (mm)	L (mm)	₫'∆ (g)	(pcs.)
3	18	73.5	100	61	10
4	18	73.5	100	62	10
5	18	73.5	100	64	10
6	18	73.5	100	65	10
7	18	73.5	100	67	10
8	18	73.5	100	68	10
10	20	73.5	100	91	10

3011M.120 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

3011M.160 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

Ball point and them correctly. Ball point bit sockets have less strength due to the special design. Make sure to use

3015M.62 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	50	10
6	18	35.5	62	50	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
10	20	35.5	62	75	10
12	20	35.5	62	95	10

3015M.100 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3	18	73.5	100	60	10
4	18	73.5	100	60	10
5	18	73.5	100	65	10
6	18	73.5	100	65	10
7	18	73.5	100	70	10
8	18	73.5	100	70	10
10	20	73.5	100	105	10
12	20	73.5	100	135	10

Grip Ring holds hex screws

3015M have less load capacity than standard. It must be used with proper a015M have less load capacity trial concerns engagement and apply load evenly to avoid breakage.

RS3015M/8-L62	8 Pieces Set/Rail 200mm	₫∄ (g)
3, 4, 5, 6,	7, 8, 10, 12	500
D9204EM/9 I 400	0 Diagos Cat/Dail 200mm	$\mathbb{Z}\mathbb{Z}$

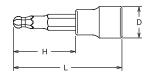
3, 4, 5, 6, 7, 8, 10, 12

# 3011M-62 · -100 · -120 · -160

Ballpoint Inhex Sockets
Vasos con Punta de Bola Inhex





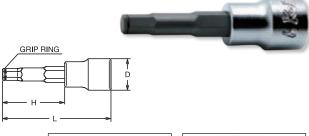


3015M-62 · -100 ●



Inhex Bit Sockets, Grip Ring Vasos con Punta Hexagonal, Grip Ring

















3020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫'∆ (g)	(pcs.)
M 4	18	7.8	93.5	120	77	10
M 5	18	7.8	93.5	120	79	10
M 6	18	7.8	93.5	120	81	10
M 8	18	7.8	93.5	120	82	10
M10	20	11.9	93.5	120	119	10
M12	20	11.9	93.5	120	123	10
M14	22	13.9	93.5	120	165	5

RS3020/6-L38 Socket Set on Rail Juego de Vasos en Regleta



RS3020/7-L50



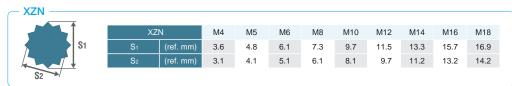
Socket Set on Rail
Juego de Vasos en Regleta



3020.38 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
M 5	18	7.8	11.5	38	32	10
M 6	18	7.8	11.5	38	33	10
M 8	18	7.8	11.5	38	36	10
M10	20	11.9	11.5	38	51	10
M12	20	11.9	11.5	38	52	10
M14	22	13.9	11.5	38	74	10
3020.50 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 4	18	7.8	23.5	50	35	10
M 5	18	7.8	23.5	50	37	10
M 6	18	7.8	23.5	50	39	10
M 8	18	7.8	23.5	50	40	10
M10	20	11.9	23.5	50	65	10
M12	20	11.9	23.5	50	69	10
M14	22	13.9	23.5	50	75	10
3020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 4	18	7.8	73.5	100	57	10
M 5	18	7.8	73.5	100	59	10
M 6	18	7.8	73.5	100	61	10
M 8	18	7.8	73.5	100	62	10
M10	20	11.9	73.5	100	99	10
M12	20	11.9	73.5	100	103	10
M14	22	13.9	73.5	100	145	5

RS3020/6-L38 6 Pieces Set/Rail 150mm	Ø∄ (g)
M5, M6, M8, M10, M12, M14	308

RS3020/7-L50	7 Pieces Set/Rail 200mm	₫Д (g)
M4, M5, M6,	M8, M10, M12, M14	400

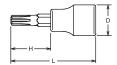


3027-50 · -100



Bit Sockets for Ribe Screws Vasos con Punta Ribe



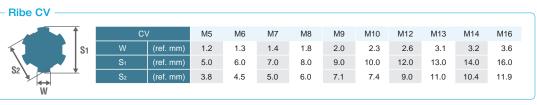




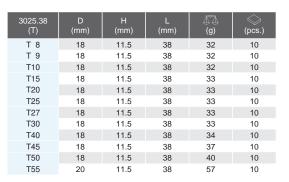
3027.50	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 5	18	23.5	50	38	10
M 6	18	23.5	50	38	10
M 7	18	23.5	50	38	10
M 8	18	23.5	50	39	10
M 9	20	23.5	50	40	10
M10	20	23.5	50	40	10
M12	20	23.5	50	41	10
3027.100	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10

RS3027/5-L50	ШШ	Socket Set on Rail Juego de Vasos en
111		

RS3027/5-L50	5 Pieces Set/Rail 150mm	(g)
	M5, M6, M8, M10, M12	240



Regleta



3025.50 (T)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
T 8	18	23.5	50	36	10
T 9	18	23.5	50	36	10
T10	18	23.5	50	36	10
T15	18	23.5	50	36	10
T20	18	23.5	50	36	10
T25	18	23.5	50	37	10
T27	18	23.5	50	37	10
T30	18	23.5	50	38	10
T40	18	23.5	50	39	10
T45	18	23.5	50	41	10
T50	18	23.5	50	42	10
T55	20	23.5	50	67	10



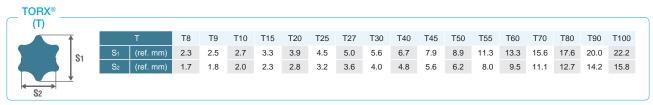
RS3025/8-L50	8 Pieces Set/Rail 200mm	₫Д (g)
T10, T15, T20, T25, T	27, T30, T40, T45	320





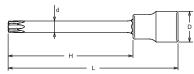
3025.140 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T 9	18	113.5	140	75	10
T10	18	113.5	140	75	10
T15	18	113.5	140	75	10
T20	18	113.5	140	75	10
T25	18	113.5	140	76	10
T27	18	113.5	140	76	10
T30	18	113.5	140	77	10
T40	18	113.5	140	78	10
T45	18	113.5	140	80	10
T50	20	113.5	140	94	10
T55	20	113.5	140	106	10





3025.50	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T35	18	23.5	50	39	10

3025.100R (T)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20	18	4	73.5	100	38	10
T25	18	4.6	73.5	100	40	10
T27	18	5.2	73.5	100	42	10
T30	18	5.7	73.5	100	45	10
T40	18	6.8	73.5	100	52	10
T45	20	8	73.5	100	73	10
T50	20	9	73.5	100	80	10
T55	20	11.4	73.5	100	106	10



RS3025/8-L100R	8 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)
T20, T25, T27, T30, T	40, T45, T50, T55	490

Bit Socket 3025-50-T35 Vasos con Punta









# Hand Sockets 3/8"

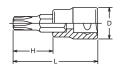
# 3025-50 · -160 (TH)



Tamper-Resistant TORX® Bit Sockets Vasos con Punta TORX® Indeformable









Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su

3025.50 (TH)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
T10H	18	23.5	50	34	10
T15H	18	23.5	50	35	10
T20H	18	23.5	50	35	10
T25H	18	23.5	50	35	10
T27H	18	23.5	50	35	10
T30H	18	23.5	50	35	10
T40H	18	23.5	50	35	10
T45H	18	23.5	50	41	10
T50H	18	23.5	50	42	10
T55H	20	23.5	50	61	10

3025.160 (TH)	D (mm)	H (mm)	L (mm)	Д́Д (g)	(pcs.)
T25H	18	133.5	160	83	10
T27H	18	133.5	160	83	10
T30H	18	133.5	160	84	10
T40H	18	133.5	160	85	10
T45H	18	133.5	160	86	10
T50H	20	133.5	160	128	10
T55H	20	133.5	160	128	10

RS3025/	9-Н	0LE	ШШ	Socket S Juego d	Set on R e Vasos		eta
						Ì	

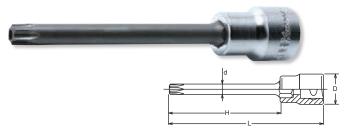
RS3025/9-HOLE	9 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)
	20H, T25H, T27H, I, T45H, T50H	405



3247 4 Pieces Set/ὧື=385g PLASTIC BAG 3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H

3025-100R (TH)





3025.100R (TH)	D (mm)	d (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20H	18	4	73.5	100	38	10
T25H	18	4.6	73.5	100	40	10
T27H	18	5.2	73.5	100	42	10
T30H	18	5.7	73.5	100	45	10
T40H	18	6.8	73.5	100	52	10
T45H	20	8	73.5	100	73	10
T50H	20	9	73.5	100	80	10
T55H	20	11.4	73.5	100	106	10



RS3025/8-L100RH	8 Pieces Set/Rail 200mm	₫Д (g)
T20H, T25H, T27 T45H, T50	, , - ,	490

3025.50 (IP) H (mm) (g) 10IP 23.5 38 10 15IP 18 23.5 10 20IP 18 23.5 50 38 10 25IP 23.5 10 18 50 38 27IP 18 23.5 50 40 10 30IP 18 23.5 50 10 40IP 23.5 50 41 10 18 45IP 41 18 23.5 50 10 50IP 20 23.5 50 61 10 55IP 20 23.5 50 61 10

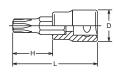
RS3025/8-IP	8 Pieces Set/Rail 200mm	₫∄ (g)
20IP 25IP 27IP 30	IP 40IP 45IP 50IP 55IP	370

RSX025/11-IP	11 Pieces Set/Rail 200mm	Д̈́Д (g)
2025.28(IP) 3025.50(IP) 4025.60(IP)	10IP, 15IP, 20IP, 25IP, 27IP 30IP, 40IP, 45IP, 50IP 55IP, 60IP	480
	1/4" + 3/	8" + 1/2"

# 3025-50 (IP)

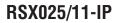














Socket Set on Rail
Juego de Vasos en Regleta



#### TORXPLUS®





IF		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

3025.50 (IPR)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
10IPR	18	23.5	50	38	10
15IPR	18	23.5	50	38	10
20IPR	18	23.5	50	38	10
25IPR	18	23.5	50	38	10
27IPR	18	23.5	50	40	10
30IPR	18	23.5	50	40	10
40IPR	18	23.5	50	41	10
45IPR	18	23.5	50	41	10
50IPR	20	23.5	50	61	10
55IPR	20	23.5	50	61	10

RS3025/9-IPR	9 Pieces Set/Rail 200mm	₫∄ (g)
	25IPR, 27IPR, 30IPR, 40IPR, PR, 50IPR	395

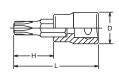
RSX025/11-IPR	11 Pieces Set/Rail 200mm	Д°Д (g)
2025.28(IPR)	8IPR, 10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR	320
3025.50(IPR)	40IPR, 45IPR, 50IPR, 55IPR	
	1/-	4"]+[3/8"

# 3025-50 (IPR)



Tamper-Resistant TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS® Indeformable

# TORX Blees









## TORXPLUS®



S1     (ref. mm)     2.2     2.4     2.6     3.1     3.6     4.1     4.7     5.2     6.3     7.4     8.4     10.6       S2     (ref. mm)     2.0     2.2     2.4     2.8     3.3     3.8     4.3     4.8     5.7     6.7     7.6     9.7	IPI	₹	8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S <sub>2</sub> (ref. mm) 2.0 2.2 2.4 2.8 3.3 3.8 4.3 4.8 5.7 6.7 7.6 9.7	S <sub>1</sub>	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
	S <sub>2</sub>	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

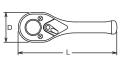
2749PS-3/8

0

Reversible Ratchet Short
Llave de Carraca Reversible Corta











\* Renewal Kits → 2749RK-3/8 → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10

2749N-3/8

Reversible Ratchet
Llave de Carraca Reversible









\* Renewal Kits → 2749RK-3/8 → P320

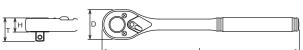
2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible













\* Renewal Kits → 2749RK-3/8 → P320

	D (mm)	T (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)
2749N-3/8	25	21.9	11.2	125	104	1
2749P-3/8	25	21.9	11 2	125	101	1

2749-3/8 series have less strength compared with normal 38 ratchet due to the 2749-3/8 series have less surengen company technical design. Make sure to use the ratchet correctly.

Reversible Ratchet Short Llave de Carraca Reversible Corta 37498









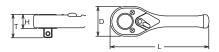
\* Renewal Kits → 3749RK → P320

3749SB

Reversible Ratchet with Quick Release Button Short Llave de Carraca Reversible con botón de extracción rápida Corta

















\* Renewal Kits → 3749BRK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

Reversible Ratchet with quick release button has less strength compared with Reversible Katchet with quick release bollow. So a sure to use the ratchet correctly.

Reversible Ratchet Llave de Carraca Reversible 3749N









\* Renewal Kits - 3749R

RK	→P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
3749N	34	24.8	14.1	200	340	1



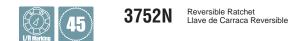


A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in

tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L = Izquierda / R = Derecha) indican el sentido de giro.

El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

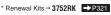






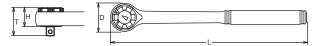


Reversible Ratchet Llave de Carraca Reversible 3752J





	D (mm)	T (mm)	H (mm)	L (mm)	Д`Д (g)	(pce.)
3752N	33	34.3	23.9	200	310	1
3752J	33	34.3	23.9	200	310	1

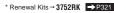








Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria 3776N











Swivel Head Ratchet 3776P Llave de Carraca de Cabeza Giratoria

\* Renewal Kits → 3752RK → P321





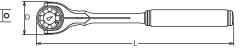


3776J

Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



	D (mm)	T (mm)	H (mm)	L (mm)	Д Д (g)	(pce.)
3776N	44	34.3	23.9	280	565	1
3776P	44	34.3	23.9	280	560	1
3776J	44	34.3	23.9	280	510	1

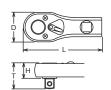


Hand Sockets 3/8"

### 3753SM

Multi Purpose Ratchet, Reversible Llave de Carraca de Aplicación General, Reversible











\* Renewal Kits → 3753RK → P320





Reversible Ratchet Llave de Carraca Reversible









\* Renewal Kits → 3753RK → P320

3753P

Reversible Ratchet Llave de Carraca Reversible









\* Renewal Kits → 3753RK → P320

3753J

Reversible Ratchet Llave de Carraca Reversible









\* Renewal Kits → 3753RK → P320

D3753J

Reversible Ratchet Llave de Carraca Reversible









\* Renewal Kits → 3753RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1

## 3753P-250

Reversible Ratchet Long
Llave de Carraca Reversible Larga



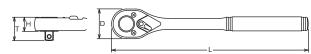






\* Renewal Kits → 3753RK → P320





	(mm)	(mm)	(mm)	(mm)	(g)	(pce.)
3753P-250	30.5	26.4	15.7	250	335	1



3753P-250 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



Multi Purpose Ratchet with Quick Release Button Llave de Carraca de Aplicación General, reversible









\* Renewal Kits → 3753BRK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3753SMB	30.5	26.4	15.7	81	175	5









Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida











\* Renewal Kits → 3753BRK → P320





3753JB

Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida

Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida











\* Renewal Kits → 3753BRK → P320





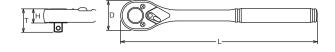






\* Renewal Kits → 3753BRK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



Reversible Ratchet with Quick Release Button : Sockets and accessories are safely locked.

By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible 2774PS-3/8







\* Renewal Kits → 2749RK-3/8 → P320

2774JS-3/8

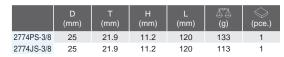
Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible







\* Renewal Kits → 2749RK-3/8 → P320



2774-3/8 series have less strength compared with normal  $\boxed{38}$  ratchet due to the 2774-3/8 series mave less such p. . . . . technical design. Make sure to use the ratchet correctly.



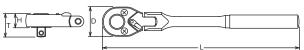








\* Renewal Kits → 3753RK → P320



ı		D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
	3774PS	30.5	26.4	15.7	175	250	1









Flexible Ratchet, Reversible 3774P Llave de Carraca Flexible, Reversible





\* Renewal Kits → 3753RK → P320







\* Renewal Kits → 3753RK → P320



音響素

OVAL SHAPE SHANK

Flexible Ratchet, Reversible Llave de Carraca Flexible, Reversible 3774J









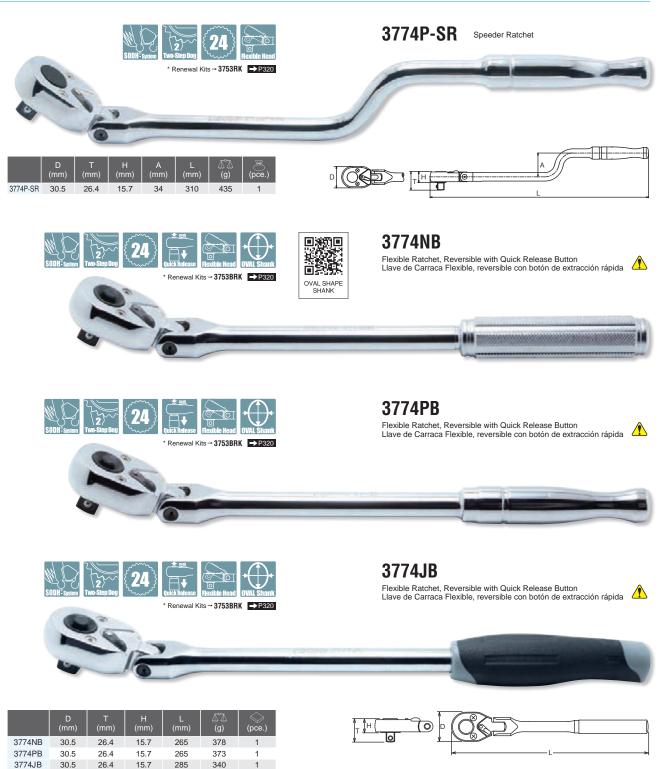


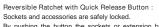




	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
3774N	30.5	26.4	15.7	265	378	1
3774P	30.5	26.4	15.7	265	378	1
3774J	30.5	26.4	15.7	285	367	1







By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



















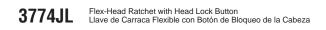






\* Renewal Kits → 3753RK → P320













\* Renewal Kits → 3753RK → P320



# 3774JBL 🗘

Flex-Head Ratchet with Head Lock Button and Quick Release Button Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza y Botón de Extracción Rápida













\* Renewal Kits → 3753BRK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)
3774NL	30.5	26.4	15.7	265	378	1
3774PL	30.5	26.4	15.7	265	378	1
3774JL	30.5	26.4	15.7	285	340	1
3774JBL	30.5	26.4	15.7	285	340	1



Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.





\* Renewal Kits → 3755RK → P321

	D (mm)	L (mm)	ДŽ (g)	(pcs.)
3755	30.5	55	146	5

25.5

47

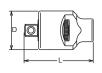
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3756

30.5



Ratchet Adaptor Adaptador de carraca





3756

Quick Spinner Disco de Giro Rápido









Renewal	Kits →	3752RK	→P321	

	D (mm)	L (mm)	₫₫ (g)	(pcs.)	
3757	50	35	155	5	

3757

Ratchet Wheel Rueda de carraca



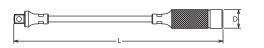


3762

Flexible Extension Bar Alargadera Flexible

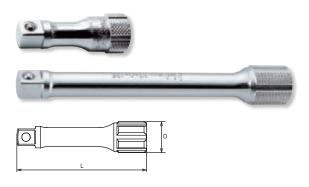


	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3762	19.3	300	178	2



# Hand Sockets 3/8"

# 3760 Extension Bars Alargaderas



3760	D (mm)	L (mm)	₫Д (g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

# PK3760/6

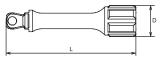


PK3760/6	6 Pieces Set/△◯∄=670g
PLASTIC TRAY	
Extension Bars	
3760 Extension Bars 32, 50, 75, 125, 150, 250	

#### Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 3763









3763	D (mm)	L (mm)	₫∄ (g)	(pcs.)
32	18	32	26	10
50	18	50	42	10
75	18	75	57	10
125	18	125	80	10
150	18	150	98	10
250	18	250	144	5
300	18	300	170	2

#### Set Juego PK3763/6

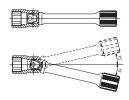


PK3763/6	6 Pieces Set/₷७=560g
PLASTIC TRAY	
Extension Bars	
3763 Wobble-Fix Extension Bars 32, 50, 75, 125, 150, 250	

#### Wobble-Fix Extension Bar

would rive extension and Two way usage: one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.





The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.







3768N-175

Hinge Handle Mango Articulado







3768N-250

Hinge Handle Mango Articulado

\* Renewal Kits - 3768RK - P323





3768P-250

Hinge Handle Mango Articulado

\* Renewal Kits → 3768RK → P323





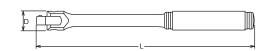
3768J-250

Hinge Handle Mango Articulado

\* Renewal Kits → 3768RK → P323



	D (mm)	L (mm)	₫Д (g)	(pcs.)
3768N-175	20.5	175	255	5
3768N-250	20.5	250	290	5
3768P-250	20.5	250	275	5
3768J-250	20.5	250	248	2





3768N-300

Hinge Handle Mango Articulado



\* Renewal Kits → 3768RK → P323



\* Renewal Kits → 3768RK → P323

3768P-380

Hinge Handle Mango Articulado



	D (mm)	L (mm)	₫Д (g)	(pcs.)
3768N-300	20.5	300	320	2
3768P-380	20.5	380	435	2





3768-300, -380 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3769N-160 · -230

Spin Type Handle Mango Tipo Destornillador

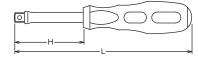






3769N	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento.





Spin Type Handle Wobble-Fix Mango Tipo Destornillador Articulados-Fijos





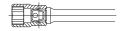
3769NWF	H (mm)	L (mm)	₫∄ (g)	(pcs.)
160	50	160	110	2
230	120	230	135	2



Plastic or rubber handles are not intended to act as insulation. Los mangos de plástico o de goma no están previstos para aislamiento.

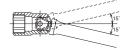
#### Wobble-Fix Extension Bar

Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.





Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

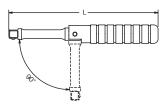




Folding Socket Driver Llave de Vaso Plegable 3769H



	L (mm)	₫Д (g)	(pcs.)
3769H	170	210	2

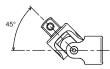


3770

Universal Joint Articulación Universal







	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
3770	19.0	50	66	10

43

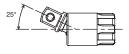
(g)

46

Universal Joint Articulación Universal 3771



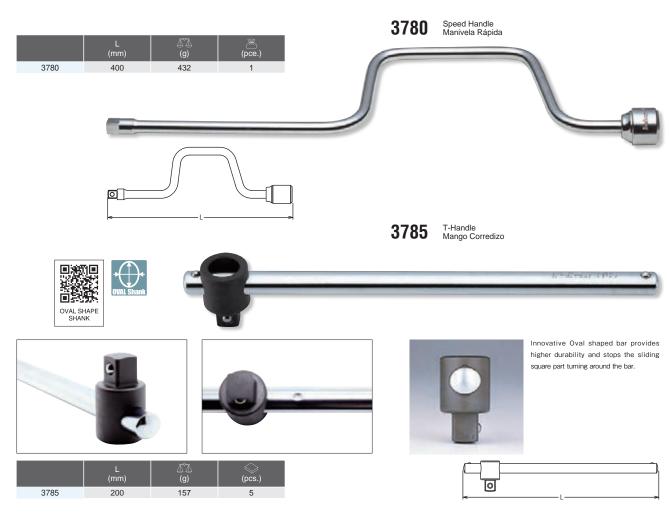


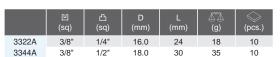




18.0

3771







Adapting down from bigger square drive to smaller square drive may lead to Adapting down from pigger square consideration excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



Adaptor Adaptador

3322A



Warranty 86Nm Garantía 86Nm



## PK2346/6 PLASTIC TRAY

1/4"凹→3/8"凸 2233A 3/8"凹→1/2"凸 3344A 1/2"凹→3/4"凸 4466A 3/8"凹→1/4"凸 3322A 1/2"凹→3/8"凸 4433A-35 3/4"凹→1/2"凸 6644A

# PK2346/6

2233A	(1/4") X 3/8"			
3322A	(3/8") X 1/4"	Warranty/Garantia	86Nm	
3344A	(3/8") X 1/2"			
4433A	(1/2") X 3/8"	Warranty/Garantia	290Nm	

(1/2") X 3/4" 4466A

6644A (3/4") X 1/2" Warranty/Garantia 668Nm



### 3200M · 3200A

Socket Sets Juegos de Vasos



## 3201AMW

Socket Set Juego de Vasos



### 3206M

Socket Set Juego de Vasos



## 3206A

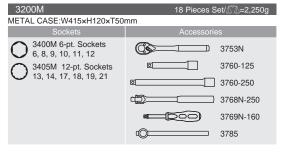
Socket Set Juego de Vasos



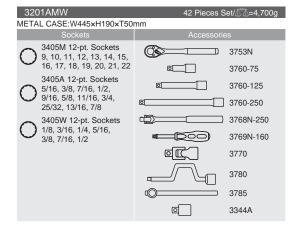
### 3206AM

Socket Set Juego de Vasos





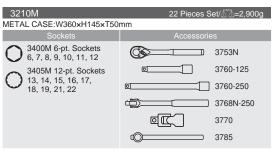
3200A	18 Pieces Set/௴∄=2,250g
METAL CASE:W415×H120×T50	mm
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 3/8, 7/16	3753N
3405A 12-pt. Sockets	3760-125
1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8	3760-250
	3768N-250
	3769N-160
	3785

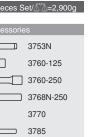


3206M	21 Pieces Set/⊿∄=2,100g
METAL CASE:W395×H90×T50m	nm
Sockets	Accessories
3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets	3760-125
13, 14, 15, 16, 17, 18, 19, 21, 22	3760-250
	3768N-250
	3785

3206A	17 Pieces Set/ὧື =2,000g
METAL CASE:W395×H90×T50m	nm
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16	3753N
3405A 12-pt. Sockets	3760-125
1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-250
	3768N-250
	3785

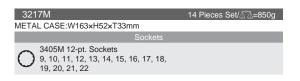
3206AM	27 Pieces Set/🌃=3,500g
METAL CASE:W445×H190×T50	mm
Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N
15, 16, 17, 19, 22	<b>□</b> 3760-125
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8,11/16, 3/4, 13/16, 7/8	3760-250
5/6,11/16, 3/4, 13/16, 7/6	3768N-250
3300C Spark Plug Socket 20.8	<b>©</b> 3770





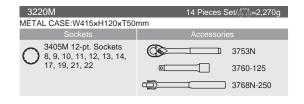


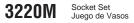




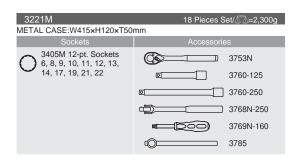






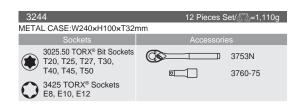








Socket Set





\$3240M-00 · \$3240A-00 O Display Stands Expositores S3240M-05 · S3240A-05



DISPLAY STAND:W510×H150×T230mm 6mm:12pcs 12mm:12pcs 18mm:8pcs 7mm:12pcs 13mm:11pcs 14mm:11pcs 19mm:8pcs 8mm:12pcs 20mm:7pcs 9mm:12pcs 10mm:12pcs 21mm:7pcs 22mm:7pcs 15mm:10pcs 16mm: 9pcs 11mm:12pcs 17mm: 9pcs 23mm:6pcs

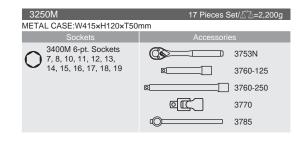
S3240A-05		ieces Set/ = 8,500g
DISPLAY STAND:W510x	H150×T230mm	
	Sockets	
1/4" :12pcs 5/16":12pcs 3/8" :12pcs 7/16":12pcs 1/2" :11pcs	9/16":10pcs 19/32":10pcs 5/8" : 9pcs 11/16": 9pcs 3/4" : 8pcs	25/32":7pcs 13/16":7pcs 7/8" :7pcs

3400 \ 126 Piocos Sot/√ \ −8 500

S3240A-00

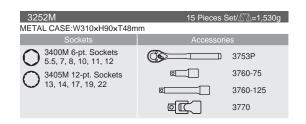
Socket Set Juego de Vasos 3250M





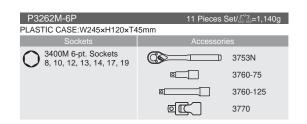
Socket Set Juego de Vasos 3252M

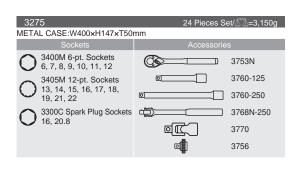




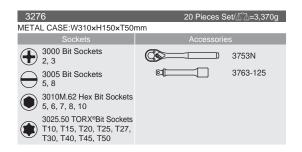
Socket Set P3262M-6P Juego de Vasos



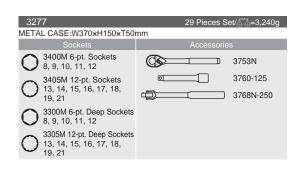




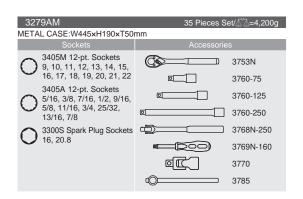














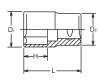
4400M ()



6-point Sockets Vasos Hexagonales







4405M



12-point Sockets Vasos Bihexagonales





RS4400M/10 Socket Set on Rail Juego de Vasos en Regleta

RS4405M/10

 $\bigcirc$ ШШ



46	59.1	48	32	60	567	2
						$\mathbb{Z}\mathbb{A}$
RS4400	M/10		10 Pied	es Set/Rai	l 300mm	(g)
	10, 11,	12, 13, 14,	15, 17, 19	21, 22		717

10, 11, 12, 13, 14, 15, 17, 19, 21, 22

H (mm)

8.5

9.5

10.5

11.5

12.5

15.5

16.5

19.5

20.5

22.5

10.3

11.5

13.2

13.8

15.3

16.5

17.8

20.3

21.5

22.8

26.5

27.8

31.5

32.8

36.5

37.8

41.5

42.8

44.2

45.2

46.2

47.2

48.3

49.2

53.1

RS4405M/10

₫∄ (g)

10 Pieces Set/Rail 300mm

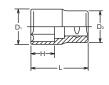
	6-Point	12-Point	Surface Drive	Nut Grip®	TORX® (E)	TORXPLUS® (EPL)	Tamper-Resistant TORXPLUS® (EPRL)	Double Square	LHSTIX® (LH-S)
1/4"	No. 2400M/A No. 2300M/A No. 2400W-BA No. 2300W-BA No. 2300X series	No. 2405M/A No. 2305M/A No. AS2405A No. AS2305A series	No. 2410M No. 2310M series	No. 2450MS/AS No. 2350M No. 2350X series	No. 2425 No. 2325 series	_	_	No. 2415M/A series	
3/8"	No. 3400M/A No. 3300M/A No. 3400W No. 3300W/XA series	No. 3405M/A No. 3305M/A No. 3405W No. 3305W/XA series	No. 3410M No. 3310M series	No. 3450M/A No. 3450MH No. 3350M No. 3350X series	No. 3425 No. 3325 series	_	_	No. 3415M/A series	No. 3400LH series
1/2"	No. 4400M/A No. 4300M/A No. 4400W series	No. 4405M/A No. 4305M/A No. 4405W series	No. 4410M No. 4310M series	No. 4450M series	No. 4425 No. 4325 series	No. 4425-EPL series	No. 4425-EPRL series	_	No. 4400LH series

RS4400A/10	10 Pieces Set/Rail 300mm	₫∄ (g)
3/8, 7/16, 3/4, 1	809	
RS4405A/10	10 Pieces Set/Rail 300mm	(g) (\bar{D}
3/8, 7/16, 3/4, 1	809	

4400W 4405W (W)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280	5

RS4400W/8	8 Pieces Set/Rail 250mm	ДД (g)
3/16, 1/4, 5/16, 3	3/8, 7/16, 1/2, 9/16, 5/8	860
RS4405W/8	8 Pieces Set/Rail 250mm	(g)











RS4400A/10

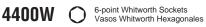


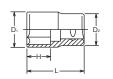
Socket Set on Rail Juego de Vasos en Regleta



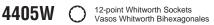
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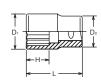












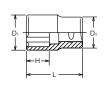


RS4400W/8 RS4405W/8	_		Socket Set on Rail Juego de Vasos en Regleta Socket Set on Rail Juego de Vasos en Regleta
	1000	400	

– BS W –	· BS W —														
		1	DO 144	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
		S	BS∙W	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
	,	Ų.	S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

4410M O Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





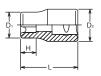


RS4410M/10	○ III	Socket Set on Rail Juego de Vasos en Regleta



**4425** TORX® Sockets Vasos TORX®





RS4425/7	0	шш	Socket Set on Rail Juego de Vasos en Regleta



4410M	D <sub>1</sub>	D <sub>2</sub>	H (****)	L (2002)	<b>5</b> 7	$\diamondsuit$
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5
34	45.2	40	24	47	314	5

RS4410M/10	10 Pieces Set/Rail 300mm	Д̈́Д (g)
10, 11, 12, 13, 14, 15,	. 17. 19. 21. 22	717

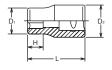
4425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	10

RS4425/7	7 Pieces Set/Rail 200mm	₫Д (g)
E10, E1	2, E14, E16, E18, E20, E24	428

_ TORX®	B																				
(E)																					
	<u>†</u>		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
	S <sub>1</sub>	S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
		S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3
	<b>+</b>																				
S2	70																				

TORX® Sockets Vasos TORX® 4425-N 🔘





RS4425/6-N	0	ШШ	Socket S Juego de	et on Rail Vasos en Reglei



4425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10N	13.2	21	8.2	36	47	10
E12N	14.6	21	9.3	37	48	10
E14N	16.5	21	10.6	37	50	10
E16N	19	22	11.8	37	60	10
E18N	20.3	22	13	37	60	10
E20N	22.8	22	14.4	37	65	10

TORX Socket for Nut and low profile bolt Shallow Chamfer on Socket Opening



- A : Flywheel bolt MR20 NISSAN: 4425-E20N
- B: Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N C: Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

RS4425/6-N	6 Pieces Set/Rail 200mm	

RS4425/6-N	6 Pieces Set/Rail 200mm	₽Д (g)			
E10N, E12N, E14N, E16N, E18N, E20N					

ı	4425 (EPL)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
	10EPL	13.2	21	6.2	36	45	10
	12EPL	14.6	21	7.2	37	47	10
	14EPL	16.5	21	8.1	37	49	10
	16EPL	19	22	9.2	37	60	10
	18EPL	20.3	22	10.2	37	60	10
	20EPL	22.9	22	11.2	37	65	10

RS4425/6-EPL	6 Pieces Set/Rail 200mm	Д <sup>™</sup> Д (g)
10EPL, 12EPL, 14EPL, 16	6EPL, 18EPL, 20EPL	390

4425 (EPRL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
10EPRL	13.2	21	6.2	36	45	10
12EPRL	14.6	21	7.2	37	47	10
14EPRL	16.5	21	8.1	37	49	10
20EPRL	22.9	22	11.2	37	65	10

4450M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	6	36	44	10
11	16.5	21	6.5	36	46	10
12	17.8	21	7	36	46	10
13	19	22	8	36	57	10
14	20.3	22	8.5	36	54	10
15	21.5	22	9	36	52	10
16	22.8	22	9	36	60	10
17	24	23	9.5	36	68	10
18	25	24	10.5	36	77	10
19	26.5	25	11.5	36	85	10
21	29	27	12	37	110	10
22	30	28	12.5	37	105	10
24	32.8	30	14.5	39	130	5
27	36.5	33	16.5	40	139	5

RS4450M/10 10 Pieces Set/Rail 300mm	₫∄ (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22	717

4400LH (LH-S)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
6S	13.2	21	5.6	36	44	10
88	16.5	21	6.8	37	46	10
10S	19	22	8	37	53	10
128	22.8	22	9.2	37	62	10
14S	25	24	10.4	37	74	10
16S	29	27	11.6	38	102	10

RS4400LH/6		6 Pieces Set/Rail 200mm	(g)
(	6S, 8S, 10S, 12S,	14S, 16S	430

4425-EPL TORXPLUS® Sockets Vasos TORXPLUS®

TORYPLES®





RS4425/6-EPL



Socket Set on Rail
Juego de Vasos en Regleta

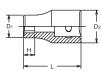


4425-EPRL



Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable







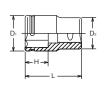
4450M

NUT GRIP®



Nut Grip Sockets Nut Grip® Vasos Sujeta-Tuercas Nut Grip®







RS4450M/10



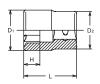
Socket Set on Rail
Juego de Vasos en Regleta



4400LH



LHS Sockets Vasos LHS





RS4400LH/6 🔾



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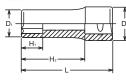
Socket Set on Rail Juego de Vasos en Regleta











4300M 4305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
35	46.2	40	35	53	77	458	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

RS4300M/10 O Juliu Socket Set on Rail Juego de Vasos en Regleta

RS4305M/10

RS4300A/10

Socket Set on Rail
Juego de Vasos en Regleta

RS4305A/10 ШШ

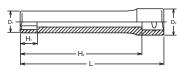


4300M (L120) 🔾



6-point Extra Deep Sockets Vasos Hexagonales Extra Largos





4305M · 4305A O 12-point Deep Sockets Vasos Bihexagonales Largos





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4300A 4305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	13.2	21	9	59	77	76	10
3/8	14.6	21	10	59	77	82	10
7/16	16.5	21	12	59	77	86	10
1/2	19	21.8	14	59	77	106	10
9/16	20.3	21.8	15	59	77	115	10
19/32	21.5	21.8	16	59	77	123	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	139	10
11/16	25	24	19	59	77	149	10
3/4	26.5	25	20	58	77	165	10
25/32	27.8	26	21	58	77	183	10
13/16	29	27	23	58	77	190	10
7/8	30	28	27	57	77	200	10
15/16	32.8	30	27	57	77	249	10
31/32	34	31	27	57	77	270	10
1	35	32	27	56	77	279	10
1. 1/16	36.5	33	28	56	77	303	10
1. 1/8	37.8	34	28	56	77	331	10
1. 3/16	40	36	34	55	77	342	10
1. 1/4	42.8	38	34	55	77	405	10
1. 5/16	44.2	39	35	54	77	420	5
1. 3/8	46.2	40	35	54	77	422	5
1. 7/16	47.2	41	35	53	77	484	5
1. 1/2	49	44	38	53	77	523	5
1.13/16	59	48	38	51	77	791	2

RS4300M/10	10 Pieces Set/Rail 300mm	₫Д (g)
10, 11, 12, 13,	14, 15, 17, 19, 21, 22	1,415
RS4305M/10	10 Pieces Set/Rail 300mm	Д°Д (g)
10, 11, 12, 13,	14, 15, 17, 19, 21, 22	1,415

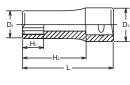
RS4300A/10	10 Pieces Set/Rail 300mm	₫Д (g)
3/8, 7/16, 3/4, 1	1,600	
RS4305A/10	10 Pieces Set/Rail 300mm	₫ <u>Ђ</u> (g)
3/8, 7/16, 3/4, 1	1,600	

4300M(L120) (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫'∄ (g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

# 4310M

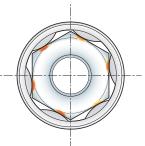


Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos









### RS4310M/10



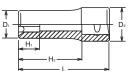
Socket Set on Rail
Juego de Vasos en Regleta







TORX® Deep Sockets Vasos TORX® Largos





### RS4325/7



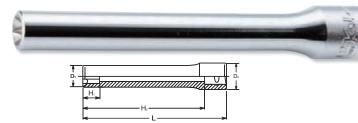
Socket Set on Rail Juego de Vasos en Regleta



4325 (L140)



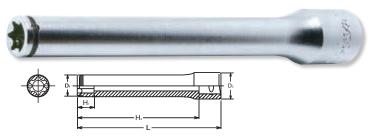
TORX® Extra Deep Sockets Vasos TORX® Extra Largos

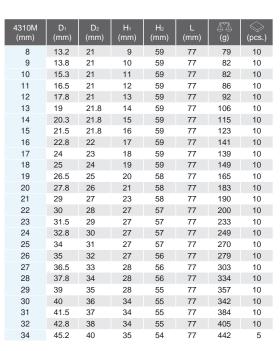


### 4325 (L140)-2B



TORX® Extra Deep Sockets, Nut Grip® Vasos TORX® Extra Largos, Nut Grip®





RS4310M/10 10	Pieces Set/Rail 300mm	₫₫ (g)
10, 11, 12, 13, 14, 15, 17	7, 19, 21, 22	1,415

4325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E22	25	24	15.5	59	77	188	10
E24	26.6	25	17	59	77	215	10

RS4325/7		7 Pieces Set/Rail	200mm	₫Д (g)
E10	E12 E14 E16	E18 E20 E24		000

4325(L140) (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

4325(L140) (2B)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
E 8(2B)	10.7	21	7	122	140	110	5
E10(2B)	13.2	21	8.2	122	140	140	5
E12(2B)	14.6	21	9.3	122	140	160	5
F1//2R)	16.5	21	10.6	122	1/10	180	5

## **NUT GRIP**®



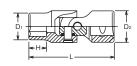
Las dos bolas de la boca TORX® sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.





4440M • 4440A O 6-point Universal Sockets Vasos Hexagonales con Articulación Universal





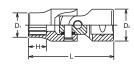
4440M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	25	15	71	170	10
20	27.8	25	15	71	173	5
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	⇒ (pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5



4445M • 4445A O 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal





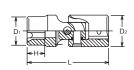
4445M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
10	15.3	25	8.8	63	155	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
17	24	25	14	69	150	10
19	26.5	25	15	71	170	10
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4445A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10



**4440T** O TORX® Universal Sockets Vasos TORX® con Articulación Universal





4440T (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

4117M-125 · -250 Extension Deep Sockets Vasos con Alargaderas





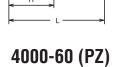
4117M.125 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1

4117M.250 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pce.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1

1		
D <sub>1</sub>		
<del>&lt;                                    </del>		
<	L	>

4000 (PH)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

4000.60 (PZ)	D (mm)	H (mm)	L (mm)	Д°Д (g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

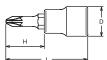


4000-60 (PH)

PZ Bit Sockets Vasos con Punta PZ

PH Bit Sockets Vasos con Punta PH



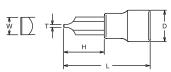


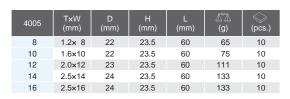
4005-60



Slotted Bit Sockets Vasos con Punta Recta para Cabezas Ranuradas







### 4010M-50 · -75 · -100 · -160 • Inhex Bit Sockets Vasos con Punta Hexagonal 4010A-60





4010M.50 (mm)	D (mm)	H (mm)	L (mm)	Ø∄ (g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
9	22	13.5	50	73	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
9	22	63.5	100	105	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5



RS4010M/10-L50
RS4010M/10-L75
RS4010A/10-L60

Socket Set on Rail
Juego de Vasos en Regleta

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AA					
HF	H	TH	H	E	

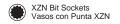
4010M.75 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
9	22	38.5	75	90	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

4010M.160 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
4	22	123.5	160	103	10
5	22	123.5	160	104	10
6	22	123.5	160	106	10
7	22	123.5	160	108	10
8	22	123.5	160	110	10
10	22	123.5	160	126	10
12	23	123.5	160	180	5
14	24	123.5	160	260	5
17	25	120	160	360	5
19	27	118	160	415	5

4010A.60 (inch)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
5/32	22	23.5	60	57	10
3/16	22	23.5	60	57	10
7/32	22	23.5	60	59	10
1/4	22	23.5	60	63	10
9/32	22	23.5	60	65	10
5/16	22	23.5	60	67	10
11/32	22	23.5	60	75	10
3/8	22	23.5	60	76	10
7/16	23	23.5	60	101	10
1/2	24	23.5	60	124	10
9/16	25	20	60	127	10
5/8	25	20	60	174	10
3/4	27	18	60	220	5

RS4010M/10-L50	10 Pieces Set/Rail 300mm	Д¯Д (g)
4, 5, 6, 7, 8, 10	, 12, 14, 17, 19	968
RS4010M/10-L75	10 Pieces Set/Rail 300mm	Д̈́Д (g)
4, 5, 6, 7, 8, 10	, 12, 14, 17, 19	1,207
RS4010A/10-L60	10 Pieces Set/Rail 300mm	Д́Д (g)
3/16, 7/32, 1/4, 5/16, 3/8	, 7/16, 1/2, 9/16, 5/8, 3/4	1,080

4020-60 · -100 · -120 · -140





4020.60 (XZN)	D (mm)	d (mm)			Д <sup>™</sup> Д (g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.0	20	60	170	10

4020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
M 5	22	7.8	83.5	120	86	10
M 6	22	7.8	83.5	120	87	10
M 8	22	7.8	83.5	120	89	10
M10	23	11.9	83.5	120	152	10
M12	23	11.9	83.5	120	156	10
M14	24	13.9	83.5	120	164	5

4020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
M 5	22	7.8	63.5	100	77	10
M 6	22	7.8	63.5	100	78	10
M 8	22	7.8	63.5	100	80	10
M10	23	11.9	63.5	100	132	10
M12	23	11.9	63.5	100	136	10
M14	24	13.9	63.5	100	144	5
M16	25	16.9	60	100	250	5
M18	27	17.9	60	100	300	5

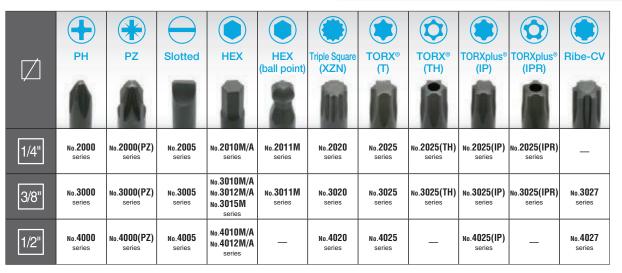
4020.140 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
M 5	22	7.8	103.5	140	95	10
M 6	22	7.8	103.5	140	96	10
M 8	22	7.8	103.5	140	98	10
M10	23	11.9	103.5	140	172	5
M12	23	11.9	103.5	140	176	5
M14	24	13.9	103.5	140	184	5



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18			
S <sub>1</sub>	1 (ref. mm)		(ref. mm) 3.6		4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9	
S <sub>2</sub>	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2			

RS4020/6-L60	6 Pieces Set/Rail 150mm	Д¯Д (g)
M5, M6, M8, M10,	M12, M14	500











4025.60 (T)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
T15	22	23.5	60	58	10
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
T80	24	20	60	168	10

4025.100 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
T20	22	73.5	100	76	10
T25	22	73.5	100	76	10
T27	22	73.5	100	77	10
T30	22	73.5	100	77	10
T40	22	73.5	100	78	10
T45	22	73.5	100	80	10
T50	22	73.5	100	98	10
T55	23	73.5	100	132	10
T60	24	73.5	100	170	5
T70	24	73.5	100	175	5

4025.140 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
T20	22	103.5	140	94	10
T25	22	103.5	140	95	10
T27	22	103.5	140	95	10
T30	22	103.5	140	95	10
T40	22	103.5	140	97	10
T45	22	103.5	140	99	10
T50	22	103.5	140	129	10
T55	23	103.5	140	175	5
T60	24	103.5	140	229	5
T70	24	103.5	140	245	5
T80	24	100	140	320	5



RS4025/9-L60 9 Pieces Set/Rail 250mm	Д́Д (g)
T20, T25, T27, T30, T40, T45, T50, T55, T60	700

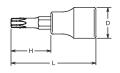
_ TORX® _																				
(T)																				
	<u>†</u>		Т	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
	S <sub>1</sub>	S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
	"	S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8
	<u>*</u>																			
S2																				

4025-60-T35



Bit Socket Vasos con Punta





4025.60	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
	(11111)	(111111)	(111111)	(9)	(роз.)
T35	22	23.5	60	96	10

4025.60 (IP) ₫₫ (g) 20IP 22 23.5 60 60 10 25IP 22 23.5 10 27IP 22 23.5 60 60 10 30IP 22 23.5 10 60 60 40IP 22 23.5 60 60 10 45IP 22 23.5 60 64 10 50IP 22 23.5 60 74 10 55IP 23 23.5 96 10 60 60IP 24 23.5 60 122 10 70IP 24 23.5 170 60 10

4025.100 (IP)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
40IP	22	63.5	100	79	10
45IP	22	63.5	100	81	10
50IP	22	63.5	100	100	10
55IP	23	63.5	100	133	10
60IP	24	63.5	100	172	5
70IP	25	63.5	100	241	5

RS4025/9-IP	9 Pieces set/Rail 250mm	Д¯Д (g)
	, 30IP, 40IP, 45IP, 5IP, 60IP	700

### 4025-60 · -100 (IP) ● TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®





### TORXPLUS®

(IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S <sub>1</sub>	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S <sub>2</sub>	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

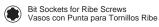
4027.60	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

4027.100	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 5	22	63.5	100	67	10
M 6	22	63.5	100	68	10
M 7	22	63.5	100	75	10
M 8	22	63.5	100	81	10
M 9	22	63.5	100	90	10
M10	22	63.5	100	101	10
M12	23	63.5	100	134	10
M13	24	63.5	100	155	5
M14	24	63.5	100	173	5
M16	24	60	100	241	5

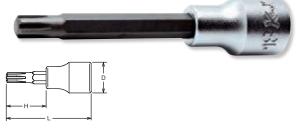
4027.140	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	5
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

RS4027/6-L60	6 Pieces set/Rail 200mm	₫¼ (g)
M5, M6, M	600	

4027-60 · -100 · -140







RS4027/6-L60 •	Socket Set on Rail Juego de Vasos en Regleta

#### Ribe CV



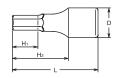
W     (ref. mm)     1.2     1.3     1.4     1.8     2.0     2.3     2.6     3.1     3.2       S1     (ref. mm)     5.0     6.0     7.0     8.0     9.0     10.0     12.0     13.0     14.0	M16	M14	M13	M12	M10	M9	M8	M7	M6	M5	/	C/
S <sub>1</sub> (ref. mm) 5.0 6.0 7.0 8.0 9.0 10.0 12.0 13.0 14.0	3.6	3.2	3.1	2.6	2.3	2.0	1.8	1.4	1.3	1.2	(ref. mm)	W
	16.0	14.0	13.0	12.0	10.0	9.0	8.0	7.0	6.0	5.0	(ref. mm)	S <sub>1</sub>
S <sub>2</sub> (ref. mm) 3.8 4.5 5.0 6.0 7.1 7.4 9.0 11.0 10.4	11.9	10.4	11.0	9.0	7.4	7.1	6.0	5.0	4.5	3.8	(ref. mm)	S <sub>2</sub>

### 









4012M.43 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M.75 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M.60	D	H <sub>1</sub>	H <sub>2</sub>	L	₫ <b>ũ</b>	$\Diamond$
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M.100 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5





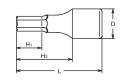
RS4012M/10-L60	10 Pieces set/Rail 300mm	₫Д (g)
4, 5, 6, 7, 8, 10	, 12, 14, 17, 19	910



4012M/A are for hand use only.
Do not use with an impact wrench.









4012A.43 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10
7/8	26	11.5	23	43	141	10

4012A.75 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10
7/8	26	22.5	53	75	262	10

4012A.60 (inch)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10
7/8	26	22.5	38	60	202	10

4012A.100 (inch)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/32	24	15.5	78	100	75	10
3/16	24	15.5	78	100	81	10
7/32	24	15.5	78	100	85	10
1/4	24	15.5	78	100	88	10
9/32	24	15.5	78	100	93	10
5/16	24	15.5	78	100	97	10
11/32	24	15.5	78	100	111	10
3/8	24	15.5	78	100	109	10
7/16	24	15.5	78	100	142	10
1/2	24	15.5	78	100	158	10
9/16	24	15.5	78	100	169	10
5/8	24	15.5	78	100	192	5
3/4	24	15.5	78	100	243	5

RS4012A/10-L60	10 Pieces set/Rail 300mm	₫₫ (g)
	1/4, 5/16, 3/8, 9/16, 5/8, 3/4	950







4012M/A are for hand use only.

Do not use with an impact wrench.

37498-1/2

Reversible Ratchet Short Llave de Carraca Reversible Corta











\* Renewal Kits → 3749SRK-1/2 → P320

3749SB-1/2

Reversible Ratchet Short with Quick Release Button Llave de Carraca Reversible corta con botón de extracción rápida







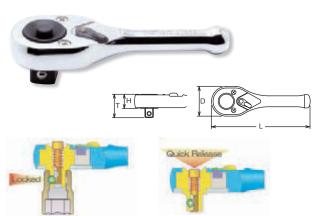




\* Renewal Kits → 3749SBRK-1/2 → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
3749S-1/2	34	29	14.4	110	200	5
37/19SR-1/2	3/1	20	1/1/	110	200	5

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



4749N-250

Reversible Ratchet Llave de Carraca Reversible

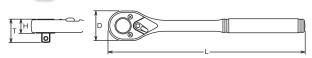






\* Renewal Kits → 4749RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4749N-250	44.6	33	18.4	250	616	1

4749N-380

Reversible Ratchet Long Llave de Carraca Reversible Larga









4749J-380

Reversible Ratchet Long Llave de Carraca Reversible Larga

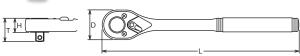






\* Renewal Kits → 4749RK → P320





	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
4749N-380	44.6	33	18.4	380	753	1
4749J-380	44.6	33	18.4	380	743	1

# [4750 series] the ratchet gear.

Two dogs are set in the same axis and the three teeth hold

The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes. El aumento de la superficie de contacto produce un aumento del par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.

4750N

4750P

Reversible Ratchet Llave de Carraca Reversible

















4750J

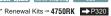
Reversible Ratchet Llave de Carraca Reversible

Reversible Ratchet Llave de Carraca Reversible



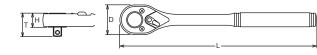








	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4750N	38	35.9	21.3	250	548	1
4750P	38	35.9	21.3	250	553	1
4750J	38	35.9	21.3	250	508	1





Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida











\* Renewal Kits → 4750BRK → P320





Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida











Renewal Kits → 4750BRK → P320







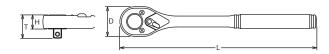




\* Renewal Kits - 4750BRK P320



	D (mm)	T (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
4750NB	38	35.9	21.3	250	548	1
4750PB	38	35.9	21.3	250	553	1
4750JB	38	35.9	21.3	250	508	1



Reversible Ratchet Llave de Carraca Reversible

4752J

#### Reversible Ratchet Llave de Carraca Reversible 4752N





Renewal Kits → 4752RK → P321



[L/R Marking]

A pointer and L/R markings on the ratchet head

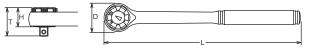
Indicate the turning direction.

The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave(L = lzquierda / R = Derecha) indican el sentido

de giro.
El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.





	D (mm)	T (mm)	H (mm)	L (mm)	₫Ъ (g)	(pce.)
4752N	35	38.8	24.5	250	480	1
4752J	35	38.8	24.5	250	470	1

Reversible Ratchet Llave de Carraca Reversible 4753N





\* Renewal Kits → 4753RK → P320

Reversible Ratchet Llave de Carraca Reversible 4753P





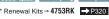


Reversible Ratchet 4753J Llave de Carraca Reversible









Reversible Ratchet Llave de Carraca Reversible D4753J







T H O		
	<del>&lt;</del>	L

	(mm)	(mm)	(mm)	(mm)	(g)	(pce.)
4753N	38	36.2	21.6	250	595	1
4753P	38	36.2	21.6	250	570	1
4753J	38	36.2	21.6	250	545	1
D4753J	38	36.2	21.6	250	510	1

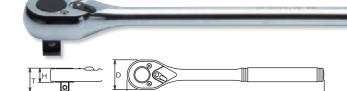
4753P-410

Reversible Ratchet Long
Llave de Carraca Reversible Larga









	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4753P-410	38	36.2	21.6	410	790	1

4753NB

Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida















Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida















Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida







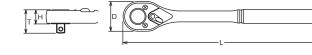








	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



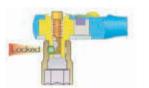


Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

> Reversible Ratchet with Quick Release Button : Sockets and accessories are safely locked.
>
> By pushing the button the sockets or extension bars are

released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida: Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.





# **GEAR TEETH**







4753series



4750series



4752series



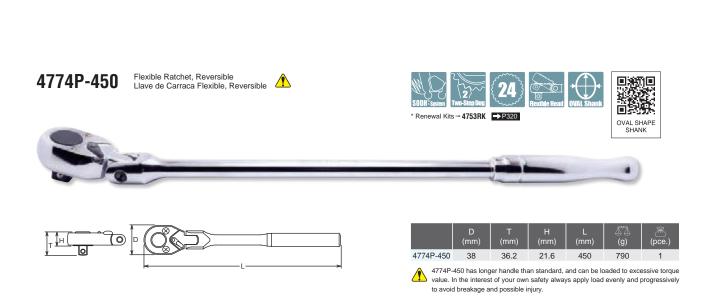
4774series











4774J

38

36.2

21.6

330

685

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, reversible con botón de extracción rápida 4774NB















4774PB

Flexible Ratchet, Reversible with Quick Release Button Llave de Carraca Flexible, reversible con botón de extracción rápida

















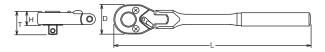
4774JB

Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida





	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
4774NB	38	36.2	21.6	330	700	1
4774PB	38	36.2	21.6	330	700	1
4774JB	38	36.2	21.6	330	685	1





Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.





Reversible Ratchet with Quick Release Button : Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.

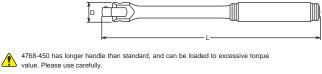
Hinge Handle Mango Articulado 4768N-300 \* Renewal Kits → 4768RK → P323 RENEWAL KIT FOR HINGE HANDLE OVAL SHAPE SHANK 4768N-380 · -450<sup>♠</sup> Hinge Handle Mango Articulado \* Renewal Kits → 4768RK → P323 4768P-380 · -450<sup>♠</sup> Hinge Handle Mango Articulado OVAL Shank \* Renewal Kits - 4768RK - P323

4768J-380 · -450<sup>♠</sup>

Hinge Handle Mango Articulado







	(mm)	(mm)	⊕ ⊕ (g)	(pcs.)
4768N-300	28	300	600	2
4768N-380	28	380	696	2
4768N-450	28	450	784	2
4768P-380	28	380	665	2
4768P-450	28	450	748	2
4768J-380	28	380	600	1
4768J-450	28	450	690	1
				1



Hinge Handle Mango Articulado 4768P-600<sup>4</sup>

\* Renewal Kits - 4768RK - P323

4768J-600<sup>1</sup> Hinge Handle Mango Articulado

\* Renewal Kits → 4768RK → P323



	D (mm)	L (mm)	Ø∆ (g)	(pce.)
4768N-600	28	600	1100	1
4768P-600	28	600	1170	1
4768J-600	28	600	1120	1













	D (mm)	L (mm)	₫∄ (g)	(pcs.)
4755	33.5	65	270	5

Quick Spinner Disco de Giro Rápido 4756



\* Renewal Kits → 4755RK → P321

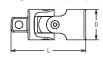


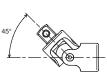




	D (mm)	L (mm)	₫ <u>Ţ</u>	(pcs.)
4756	38	34.5	95	10

#### Universal Joint Articulación Universal 4770



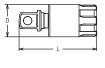


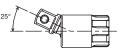


	D (mm)	L (mm)	Ø∄ (g)	(pcs.)
4770	25.0	62.4	150	10



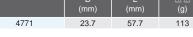








	D	L	₫¼	⇔
	(mm)	(mm)	(g)	(pcs.)
4771	23.7	57.7	113	10



Extension Bars Alargaderas 





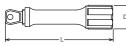
Set Juego PK4760/5



Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas 







PK4760/5 5 Pieces Set/\$\tilde{\bar{a}}=1,050g PLASTIC TRAY 4760 Extension Bars 50, 75, 125, 150, 250





4763	D (mm)	L (mm)	ДД (g)	(pcs.)
50	24	50	95	10
75	24	75	111	10
125	24	125	157	5
150	24	150	181	5
250	24	250	357	5
300	24	300	480	2
400	24	400	650	1

The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

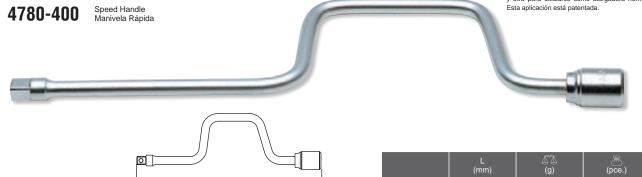
Set Juego PK4763/5





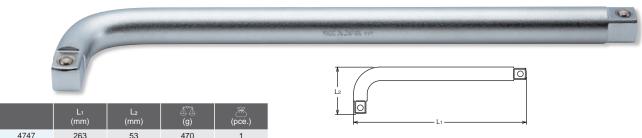
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

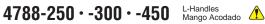


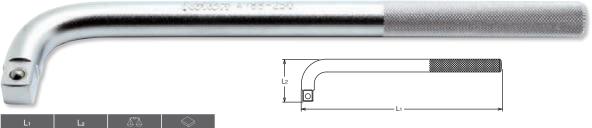
T-Handle Mango Corredizo 4785











4788	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	⊕`⊕ (g)	(pcs.)
250	250	53	417	2
300	300	53	503	1
450	450	53	745	1

OVAL SHAPE SHANK

4788-450 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury

4433A	凹 (sq.)	凸 (sq.)	D (mm)	L (mm)	₫Z (g)	(pcs.)
35	1/2"	3/8"	21.9	35	50	10
75	1/2"	3/8"	21.9	75	120	10
125	1/2"	3/8"	21.9	125	164	5
250	1/2"	3/8"	21.9	250	275	5
600	1/2"	3/8"	21.9	600	530	1

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

	凹 (sq.)	凸 (sq.)	D (mm)	L (mm)	₫₫ (g)	(pcs.)
4466A	1/2"	3/4"	25.0	42	108	10





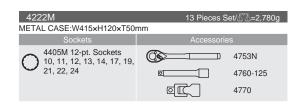






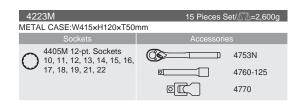
4222M Socket Set Juego de Vasos





4223M Socket Set Juego de Vasos





**4227M** Bit Socket Set Juego de Vasos con Punta



4227M 10 Pieces Set/√ =2,550g

METAL CASE:W310×H150×T50mm

Sockets

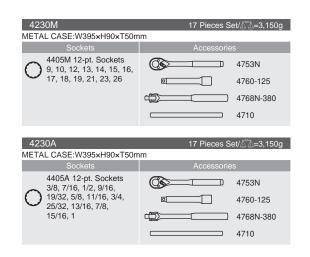
4012M.75 Hex Bit
Sockets
5, 6, 8, 10, 12, 14, 17

4760-75

4760-125

4230M • 4230A Socket Sets Juegos de Vasos





4232M 16 Pieces Set/\$\tilde{\text{Set}} = 3,300g \\
METAL CASE:W415xH120xT50mm \\
Sockets \\
4405M 12-pt. Sockets \\
8, 9, 10, 12, 13, 14, 17, \\
19, 21, 22, 23, 24, 26 \\
4768N-380

4232M Socket Set Juego de Vasos



 S4240M-00
 4400M 117 Pieces Set/□□=13,000g

 S4240M-05
 4405M 117 Pieces Set/□□=13,000g

 DISPLAY STAND:W510xH150xT230mm
 Sockets

 10mm:9pcs
 16mm:9pcs
 24mm:6pcs

 11mm:9pcs
 17mm:8pcs
 27mm:5pcs

 12mm:9pcs
 19mm:7pcs
 30mm:5pcs

 13mm:9pcs
 21mm:7pcs
 32mm:4pcs

 14mm:9pcs
 22mm:6pcs

 15mm:9pcs
 23mm:6pcs

DISPLAY STAND:W510×H150×T230mm

DIGI ENTI GITTEDITO		
3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs



4238AM 38 Pieces Set/A = 8,050g

METAL CASE:W446×H266×T50mm

Sockets

4405M 12-pt. Sockets

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32

4405A 12-pt. Sockets

3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4

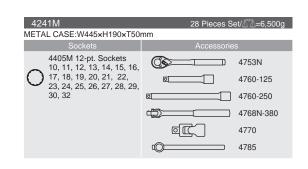
4300C Spark Plug Socket 20.8

4238AM Socket Set Juego de Vasos



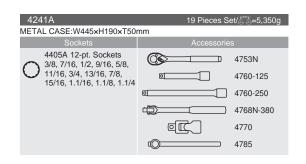
4241M Socket Set Juego de Vasos





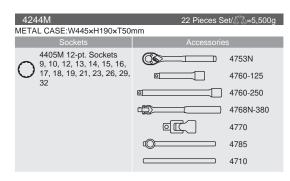
**4241A** Socket Set Juego de Vasos

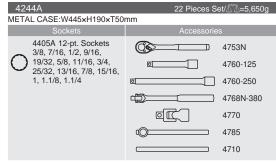


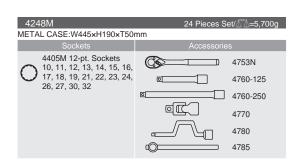


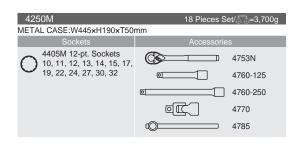
4244M • 4244A Socket Sets Juegos de Vasos

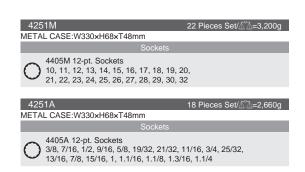


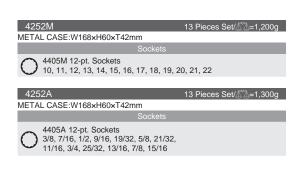












4254	12 Pied	es Set/ଛିଅ=1,070g
METAL CASE:W215×H80×T47m	nm	
Sockets	Acces	sories
3425- E6, E8		4763-50
4425- E10, E12, E14	٥	4433A-35
3325- E6, E8		
4325- E10, E12, E14		



Socket Set 4250M Juego de Vasos



Socket Sets Juegos de Vasos 4251M · 4251A



Socket Sets Juegos de Vasos 4252M · 4252A

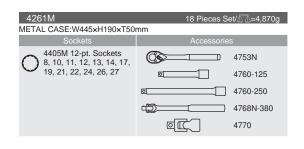


Socket Set Juego de Vasos 4254



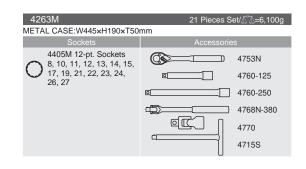
4261M Socket Set Juego de Vasos





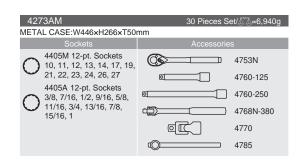
4263M Socket Set Juego de Vasos





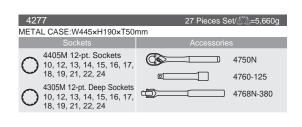
4273AM Socket Set Juego de Vasos

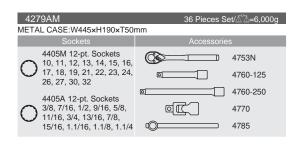


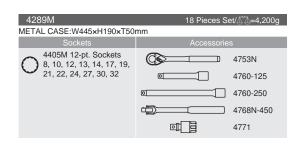


4275 24 Pieces Set/\$\bigs\$=5,340g METAL CASE:W445×H190×T50mm 4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 4750N  $\Box$ 4760-125 4300C Spark Plug 4760-250 Sockets 16, 20.8 4768N-380 4300M Wheel Nut 4770 Sockets 17(L60), 19(L60), 21(L60) 4785

4276	17 Pieces Set/⊿ື∆=2,890g
METAL CASE:W370×H150×T50	mm
Sockets	Accessories
4010M.50 Bit Sockets 6, 7, 8, 10, 12, 14	4752N
4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	<b>(1)</b> 4763-125







4275 Socket Set Juego de Vasos



4276 Socket Set Juego de Vasos



**4277** Socket Set Juego de Vasos



4279AM Socket Set Juego de Vasos



4289M Socket Set Juego de Vasos

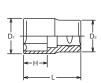


Hand Sockets 3/4"

## 6400M • 6400A O 6-point Sockets Vasos Hexagonales







### 6405M • 6405A O 12-point Sockets Vasos Bihexagonales





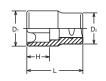


6400M 6405M	D <sub>1</sub>	D <sub>2</sub>	Н	L	<b>\$</b> Z	
(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
14	22.1	34	11	50	160	5
16	24.6	34	12	50	167	5
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	42	72	925	2
54	72	55	42	72	1040	2
55	73.5	53	41	72	1006	2
56	74.5	53	41	72	1092	2
57	76	53	41	72	1169	2
58	77	53	41	72	1149	2
60	79.5	58	45	76	1402	2
63	83.5	58	45	76	1494	2
65	86	63	48	80	1608	2
70	92	68	52	84	1785	2
75	98.5	73	56	86	2186	1
78	102.1	73	55	86	2425	1
80	104.5	78	59	90	2475	1
85	111	78	59	90	2620	1
	_					

	6400A 6405A	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	\$\bar{\Pi}{\Pi}\$	(pcs.)
	(inch)					(g)	
	5/8	24.6	34	12	50	168	5
	11/16	27	34	13	50	178	5
	3/4	28.5	34	13.5	50	179	5
	25/32	29.5	34	14	50	185	5
	13/16	31	34	14.5	50	185	5
	7/8	32	34	15	50	187	5
	15/16	34.5	34	17	50	200	5
	31/32	36	34	17.5	50	217	5
	1	37	34	18	50	222	5
	1. 1/16	38.5	37	19	53	254	5
	1. 1/8	41	38	20	53	292	5
	1. 3/16	42	38	21	55	301	5
	1. 1/4	44.5	40	23	57	351	5
	1. 5/16	46	40	23.5	57	384	5
	1. 3/8	48.5	42	24.5	57	422	5
	1. 7/16	51	42	25.5	59	484	5
	1. 1/2	52	45	26	59	523	5
	1. 9/16	54.5	45	27	59	550	5
	1. 5/8	56	47	28	62	633	5
	1.11/16	58.5	47	29	62	659	2
	1. 3/4	59.5	47	29.5	62	657	2
	1.13/16	62	47	31	68	791	2
	1. 7/8	64.5	45	32	68	892	2
	1.15/16	66	48	32.5	68	870	2
	2	68.5	52	34.5	68	949	2
•	2. 1/16	71	54	42	72	983	2
•	2. 1/8	72	55	42	72	1040	2
•	2. 3/16	74.5	53	41	72	1092	2
•	2. 1/4	76	53	41	72	1169	2
•	2. 5/16	78.5	53	41	72	1344	2
•	2. 3/8	79.5	58	45	76	1402	2
•	2. 7/16	82	58	45	76	1420	2
•	2. 1/2	84.5	58	44	76	1497	2
•	2. 9/16	86	63	48	80	1608	2
•	2. 5/8	88.5	63	48	80	1709	2
•	2.11/16	89.5	63	48	80	1634	2
•	2. 3/4	92	68	52	84	1785	2
•	2.13/16	94.5	68	51	84	2018	2
•	2. 7/8	96	68	51	84	2062	2
•	2.15/16	98.5	73	56	86	2186	1
	3	101	73	55	86	2309	1
•	3. 1/8	104.5	78	59	90	2475	1

TORX® Sockets Vasos TORX® 6425





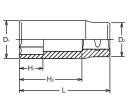
6425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5



6305M • 6305A 12-point Deep Sockets Vasos Bihexagonales Largos









6300M 6305M	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
(mm)	, ,	, ,	, ,	, ,	, ,		/
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	-	100	1270	2
53	71	54	49	-	100	1338	2
54	72	55	49	-	100	1351	2
55	73.5	53	52	_	100	1388	2
56	74.5	53	52	-	100	1389	2
57	76	53	52	_	100	1467	2
58	77	53	52	_	100	1480	2
60	79.5	58	55	_	100	1626	2
63	83.5	58	55	_	100	1740	2
65	86	63	65	_	100	1939	2
	00	-	-			.000	-

6300A 6305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	_	100	1338	2
2. 1/8	72	55	49	-	100	1351	2
2. 3/16	74.5	53	52	_	100	1389	2
2. 1/4	76	53	52	-	100	1467	2
2. 5/16	78.5	53	52	-	100	1787	2
2. 3/8	79.5	58	55	-	100	1626	2
2. 7/16	82	58	55	-	100	1715	2

6012M.75 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
12	35	15.5	40	75	253	10
14	35	15.5	40	75	265	10
15	35	15.5	40	75	271	10
16	35	15.5	40	75	285	10
17	35	15.5	40	75	292	10
18	35	15.5	40	75	302	10
19	35	15.5	40	75	312	10
20	35	15.5	40	75	323	10
21	38	15.5	40	75	330	10
22	38	22.5	40	75	340	10
24	38	22.5	40	75	362	10
27	38	22.5	40	75	402	10
30	38	28.5	40	75	445	10
32	38	28.5	40	75	485	10
36	42	28.5	40	75	663	10

6012M-75 Inhex Sockets Vasos con Punta Hexagonal



Hand Sockets 3/4"

Reversible Ratchet Llave de Carraca Reversible 6749 6749-1000 🗘 6749-HEAD







\* Renewal Kits → 6749RK → P320

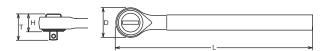






\* Renewal Kits → 6752RK → P321





Reversible Ratchet Llave de Carraca Reversible

	D (mm)	T (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
6752	67	55.5	35.5	500	2360	1
6752-HEAD	67	55.5	35.5	100	1250	1
PIPE-400	-	-	-	400	1110	1



Hand Sockets

Ratchet Adaptor Adaptador de carraca 6755





\* Renewal Kits → 6755RK → P321

	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
6755	62	97	1162	1

Extension Bars Alargaderas 6760



6760	D (mm)	L (mm)	₫∄ (g)	(pcs.)
75	35	75	335	5
100	35	100	434	2
125	35	125	528	2
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1





6785

Hinge Handle Mango Articulado 6768



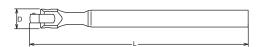
6768-600 · -1000

Hinge Handles
Mangos Articulados



6768-HEAD PIPE-400 · -800





\* Renewal Kits → 6768RK → P323

	D (mm)	L (mm)	Д¯Д (g)	(pce.)
6768-600	42	600	2900	1
6768-1000	42	1000	3500	1
6768-HEAD	42	200	1250	1
PIPE-400	-	400	1110	1
PIPE-800	-	800	2230	1

6768-600/-1000 have longer handle than standard, and can be loaded to excessive 6768-600/-1000 have longer handle than startication, and can be loaded to torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





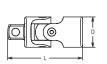
3/4" Hand Sockets

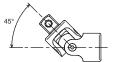


	D (mm)	L (mm)	Д°Д (g)	(pcs.)
6770	36.0	105	500	2

6770 Universal Joint Articulación Universal













6644A

6688A

Adaptor Warranty 668Nm Adaptador Garantía 668Nm









	凹 (sq.)	凸 (sq.)	D (mm)	L (mm)	₫Д (g)	(pcs.)
6644A	3/4"	1/2"	32.0	47	136	5
6688A	3/4"	1"	35.0	60	285	5



Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



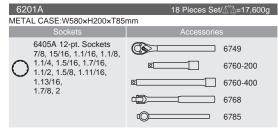
Adaptor Adaptador



### 6201M • 6201A Socket Sets Juegos de Vasos

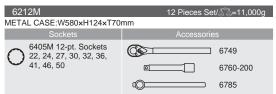


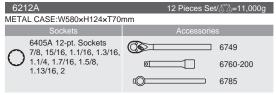
		-0-
6201M	16 Pieces Set	:/Ѿ҈∄=17,300g
METAL CASE:W580×H200×T85	mm	
Sockets	Accessorie	s
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60		6749
41, 46, 50, 55, 60	0	6760-200
		6760-400
		6768
		6785



# 6212M • 6212A Socket Sets Juegos de Vasos





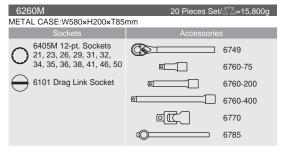


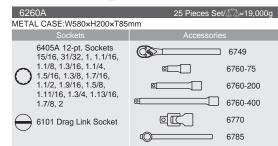
Sockets in sets can be supplied in 6-pt. or 12-pt. format.

3/4" Hand Sockets

### 6260M • 6260A Socket Sets Juegos de Vasos

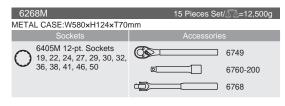






## 6268M Socket Sets Juegos de Vasos



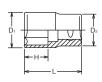


# 8400M • 8400A O 6-point Sockets Vasos Hexagonales









8400M 8405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	624	1
39	55.5	50	26.5	65	650	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
43	60.5	53	29	68	810	1
45	63	53	30	68	844	1
46	64	53	31	72	928	1
47	65.5	53	31.5	72	942	1
48	66.5	53	32	72	960	1
50	69	53	34	72	943	1
52	71.5	53	38	72	987	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
56	76.5	53	42	77	1160	1
58	79	53	41	77	1200	1
60	81.5	58	46	82	1440	1
62	84	58	46	82	1510	1
63	85.5	58	45	82	1470	1
64	86.5	58	46	82	1540	1
65	88	63	49	86	1683	1
67	90.5	63	49	86	1840	1
68	91.5	63	49	86	1800	1
70	94	68	50	88	1963	1
71	95.5	68	50	88	2200	1
72	96.5	68	51	88	2250	1
75	100.5	73	53	90	2204	
78	104	75 75	52.5	90	2500	1
80 83	106.5 110.5	75 78	58	95 95	2550 2730	1
83 85			57	95 95		1
	113	80	57		2680	
90 95	119 125.5	80 85	59 58	100 100	3420 4900	1
100	131.5	85	57	100	4900	1
100	131.3	00	31	100	4040	1

# 8405M · 8405A O 12-point Sockets Vasos Bihexagonales







8400A	D <sub>1</sub>	D <sub>2</sub>	Н	L	ĀĀ	寒
8405A (inch)	(mm)	(mm)	(mm)	(mm)	(g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

8012M.80 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
17	44.2	15.5	45	80	400	5
19	44.2	15.5	45	80	410	5
22	47.9	22.5	45	80	436	5
24	47.9	22.5	45	80	471	5
27	47.9	22.5	45	80	526	5
30	47.9	22.5	45	80	658	5
32	47.9	22.5	45	80	715	5
36	54.2	22.5	45	80	945	5

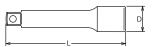




Extension Bars Alargaderas 8760



8760	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
200	44	200	1300	1
400	44	400	2570	1

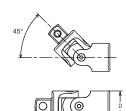


Universal Joint Articulación Universal

8770

8866A

	D (mm)	L (mm)	ДĨД (g)	(pce.)
8770	48.0	143	1170	1





	凹 (mm)	凸 (mm)	D (mm)	L (mm)	₫¾ (g)	(pcs.)
8866A	1"	3/4"	44.0	60	338	5

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



Adaptor Warranty 1850Nm Adaptador Garantía 1850Nm



8749 Reversible Ratchet Llave de Carraca Reversible

8749-1000 1

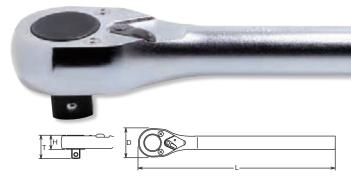
8749-HEAD PIPE-580 · -800











Hinge Handle Mango Articulado 8768

8768-1000 1

8768-HEAD

PIPE-400 · -800

\* Renewal Kits → 8749RK → P320

	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
8749	70	62.2	36.2	800	4090	1
8749-1000	70	62.2	36.2	1020	4664	1
8749-HEAD	70	62.2	36.2	220	2490	1
PIPE-580	_	_	_	580	1610	1
PIPE-800	-	-	-	800	2230	1

8749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





\* Renewal Kits → 8768RK → P323

	D (mm)	L (mm)	Д¯Д (g)	(pce.)
8768	55	600	3190	1
8768-1000	55	1000	4348	1
8768-HEAD	55	200	1480	1
PIPE-400	_	400	1110	1
PIPE-800	_	800	2230	1

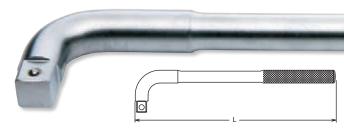
8768-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



8785 T-Handle Mango Corredizo

	L (mm)	₫Д (g)	(pce.)
8785	550	3190	1
8785-700	700	3906	1

L-Handle Mango Acodado 8788



0

	L (mm)	₫Д (g)	(pce.)
8788	600	3600	1

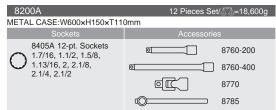


8200M · 8200A

Socket Sets Juegos de Vasos



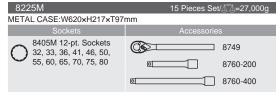
8200M		/ଛି∄=18,600g
METAL CASE:W600×H150×T11	0mm	
Sockets	Accessorie	s
8405M 12-pt. Sockets 35, 38, 41, 46,	0	8760-200
50, 54, 58, 63		8760-400
		8770
		8785



8225M Socket Set Juego de Vasos







Sockets in sets can be supplied in 6-pt. or 12-pt. format.

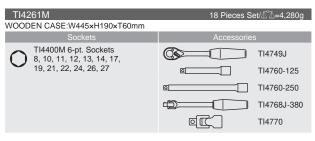


TI4261M Soc

Socket Set Titanium Juego de Vasos de Titanio







## **Characteristic of Titanium**

Light weight : Makes it effective for operating tools. The specific gravity is only about 58% of chrome molybdenum

steel which is used for our normal products.

Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.

Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

## Características del Titanio

Peso ligero : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo

el 58% del acero al cromo-molibdeno de nuestros productos normales.

No se oxida : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase

de productos químicos.

No es magnético : Material paramagnético que evita la magnetización de las herramientas.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.

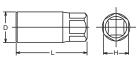


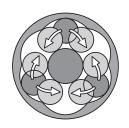












Stud Pullers Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Extractores de Espárragos

El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.



4100M (mm)	$\square$	D (mm)	L (mm)	H (mm)	₫Д (g)	(pcs.)
5		24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9	1/2"	28	75	21	217	10
10	1/2	28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	<b>-</b> <u>↑</u>	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pcs.)
1/4		24	65	21	150	10
5/16		24	65	21	147	10
3/8	1/2"	28	75	21	213	10
7/16	1/2	28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	-1	34	75	27	315	5

\* Renewal Kits → 4100MRK/4100ARK → P323

4100M-16 and 4100A-5/8 do not have 1/2" square drive. 4100M-16 and 4100A-5/8 do not have 1/2" square unive.

Drive the outer hexagon part with 27mm sockets or ring wrenches.

4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2" Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

## Tolerance/Tolerancia

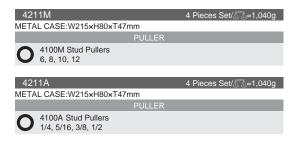
44.0	1014	440	20.4	
4100M (mm)		4100A (inch)		
5	4.7- 5	1/4	6 - 6.4	
6	5.6- 6	5/16	7.6- 8	
7	6.6- 7	3/8	9 - 9.6	
8	7.6- 8	7/16	10.5-11.1	
9	8.4- 9	1/2	12.1-12.7	
10	9.4-10	9/16	13.5-14.3	
10.5	9.9-10.5	5/8	15.2-16	
11	10.4-11			
12	11.4-12			
14	13.2-14			
16	15.2-16			

4211M · 4211A O Stud Pullers Sets Juegos de Extractores de Espárragos



Stud Pullers Set Juegos de Extractores de Espárragos 4214M O







6100M (mm)		D (mm)	L (mm)	H (mm)	₫∄ (g)	(pce.)
18	3/4"	48	100	36	840	1
20	3/4	48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27		63	125	46	1707	1
28	<b>-</b> <u>1</u>	63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

## \* Renewal Kits → 6100MRK → P323

6100M-22 to -30 do not have 3/4" square drive. Drive the outer hexagon part with sockets or ring wrenches (size 22-24mm = 36H, 27-30mm = 46H).

6100M-22-30 no tienen conductores cuadrados de 3/4" Apretar la parte hexagonal exterior con vasos o llaves de tuerca (medidas 22-24mm = 36H, 27-30mm = 46H)

### Tolerance/Tolerancia

6100M (mm)							
18	16.9-18						
20	18.8-20						
22	20.8-22						
24	22.7-24						
27	25.7-27						
28	26.7-28						
29	27.6-29						
30	28 6-30						

14100M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
6		24	25	48	126	10	*1
7		24	25	48	126	10	*1
8	1/2"	24	25	48	122	10	*1
9	1/2	28	30	48	181	10	*2
10		28	30	48	181	5	*2
12		28	30	48	175	5	*2

14100A (inch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/4		24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8	1/2"	28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

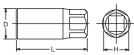
### Tolerance/Tolerancia

	00M m)	141 (in	
6	5.6- 6	1/4	6 - 6.4
7	6.6- 7	5/16	7.6- 8
8	7.6- 8	3/8	9 - 9.6
9	8.4- 9	7/16	10.5-11.1
10	9.4-10	1/2	12.1-12.7
12	11.4-12		



6100M O Stud Pullers Extractores de Espárragos



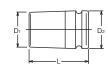




# 14100M · 14100A



Impact Stud Pullers Extractores de Espárragos de Impacto





1415 O Stud Puller Ratchets Extractores de Espárragos de Carraca





The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño.

1201 <b>O</b>	Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca
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Stud Puller Extractor de Espárragos 4104 **O** 





4104 1/2" φ6 φ19 54 56 489 2

METAL CASE:W240×H100×T32mm

141S Stud Puller Ratchet 6, 8, 10, 12

141S (mm)

6

8

10

12

141S (inch) 5/16

3/8

1/2

1201

28

28

32

32

28

32

32

120

120

120

120

120

120

120

150

150

153

152

150

153

152

4 Pieces Set/ቆ =973g

1

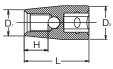
4103M • 4103A O Stud Bolt Setters Vasos para apretar pernos











	4103M (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
	6(1.0)		10.3	22	9	37	54	10
	7(1.0)		11.5	22	10	37	58	10
	8(1.25)		13.2	22	11	37	60	10
	10(1.25)	1/2"	15.3	22.9	13	44	86	10
	10(1.5)		15.3	22.9	13	44	86	10
_	12(1.25)		17.8	22.9	14	44	86	10
1	12(1.75)		17.8	22.9	14	44	86	10

4103A (inch)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
1/4(28)		10.7	22	9	37	55	10
5/16(18)		13.2	22	11	37	61	10
5/16(24)	1/2"	13.2	22	11	37	61	10
3/8(16)	1/2	14.6	22.9	12	44	84	10
7/16(14)		16.5	22.9	14	44	85	10
1/2(13)		19	22.9	14	44	88	10

Depend on the stud bolt and using torque, 4103M/4103A/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

4203M METAL CASE:W130×H65×T26mm 4103M Stud Bolt Setters 6(1.0), 8(1.25), 10(1.5), 12(1.75) 4203MF METAL CASE:W130xH65xT26mm

Stud Bolt Setter Object Stud Bolt / Contact | Steel Ball

4103M Stud Bolt Setters 6(1.0), 8(1.25), 10(1.25), 12(1.25)

> A special socket for installing a stud bolt. Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anticlockwise to removing the socket.

13103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5(0.8)		9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)	3/8"	12.5	19	10	32	44	10	*1
8(1.25)	3/6	13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

14103M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
6(1.0)		12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)	1/2"	17	25	18	49	106	10	*1
12(1.25)	_	19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

\*1 C-Ring=C41,Pin/O-Ring=A41/B41 -> P270-271

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a Depend on the stud bolts or got stuck itself during a work.

23103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)	₩
6(1.0)	11.1	22	9	59	175	10	*1
8(1.25)	13.6	22	11	61	181	10	*1
10(1.25)	16	22	13	63	188	10	*1
10(1.5)	16	22	13	63	188	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

This item is not suitable for impact drivers.

This item is not suitable for impact drivers.

Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

24103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
8(1.25)	15.4	30	15	69	332	10	*1
10(1.25)	17.8	30	18	72	344	10	*1
10(1.5)	17.8	30	18	72	344	10	*1
12(1.75)	20.2	30	19	74	352	10	*1

\*1 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

This item is not suitable for impact drivers.

This item is not suitable for impact drivers.

Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

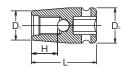




13103M

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto



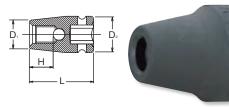




14103M

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto



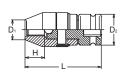


23103M



Stud Bolt Setters
Vasos para apretar pernos











Stud Bolt Setters Vasos para apretar pernos



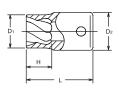




RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTORES INDUSTRIALES SLEEVE-DRIVE IMPACTO DESTORNILLADORES ACCESSORIES ACCESSORIOS ACCESSORIOS

2127 O NUTTWISTER® AFLOJA TUERCAS







2127 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
4		7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6	1/4"	9.5	13	6	23	14	10
7	1/4	10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10



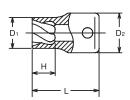
RS2127/6	6 Pieces Set/Rail 150mm	ДД (g)
	4, 4.5, 5, 5.5, 6, 7	105

RS2127/10 O Juliu Socket Set on Rail Juego de Vasos en Regleta

RS2127/10	10 Pieces Set/Rail 150mm	₫Д (g)
	4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5,10	180

3127 O NUTTWISTER® AFLOJA TUERCAS





3127 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8		11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12	3/8"	17	19	12	32	44	10
13	3/0	18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	16	35	80	10
19		26	22	16	35	92	10

RS3127/8 O Socket Set on Rail Juego de Vasos en Regleta



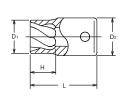
RS3127/8	8 Pieces Set/Rail 200mm	ДД (g)
	8, 9, 10, 11, 12, 13, 14, 16	420

3128.80 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8		11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11	3/8"	16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

**3128-80** O NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga)



(mm) D<sub>2</sub> (mm) H (mm) D<sub>1</sub> (mm) 19.7 23.5 1/2" 29.5 25.4 33.5  4127 O NUTTWISTER® AFLOJA TUERCAS





RS4127/6 6 Pieces Set/Rail 200mm (g)
17, 19, 21, 22, 24, 25.4 960

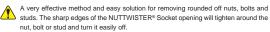
RS4127/6 O Juliu Socket Set on Rail Juego de Vasos en Regleta



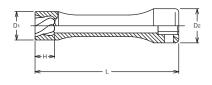
4128-120 O NUTTWISTER® (Long type) AFLOJA TUERCAS (Serie Larga)



4128.120 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
17		23.5	30	16	120	227	10
19	1/2"	26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10



Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afliadas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.





3129-32 BOLTTWISTER® AFLOJA PERNOS



	D <sub>1</sub>
--	----------------

3129.32 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
2		2	19	32	32	10
3		3	19	32	33	10
4	3/8"	4	19	32	33	10
6	3/6	6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

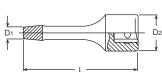
RS3129/6-L32 Socket Set on Rail Juego de Vasos en Regleta



RS3129/6-L32		6 Pieces Set/Rail 150mm	₫Д (g)
	2, 3, 4, 6, 8	10	250

BOLTTWISTER® AFLOJA PERNOS 3129-60





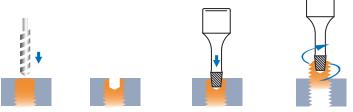
3129.60 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
2		2	19	60	38	10
3	3/8"	3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

RS3129/6-L60

Socket Set on Rail
Juego de Vasos en Regleta



RS3129/6-L60	6 Pieces Set/Rail 150mm	ДД (g)
	2, 3, 4, 6, 8, 10	320



Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER $^{\circ}$  presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4- 2.6
3	M6	φ 3.2- 3.5
4	M8	φ 4.2- 4.5
6	M10-M12	φ 6.2- 6.5
8	M14-M16	φ 8.2- 8.5
10	M18-M20	φ 10.2–10.5
12	M22-M24	φ 12.2–12.5
14	M27-M30	φ14.2-14.5
16	M33	φ 16.2–16.5

4129.37 (mm)	Ø	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12	1/2"	12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

<b>↓</b>	-m	1
D <sub>1</sub> -		D <sub>2</sub>

BOLTTWISTER® AFLOJA PERNOS

4129-37



RS4129/5-L37	5 Pieces Set/Rail 150mm	Ø∄ (g)
	8, 10, 12, 14, 16	370

RS4129/5-L37

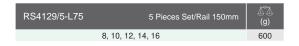
Socket Set on Rail
Juego de Vasos en Regleta



4129.75 (mm) (g) 1/2" 

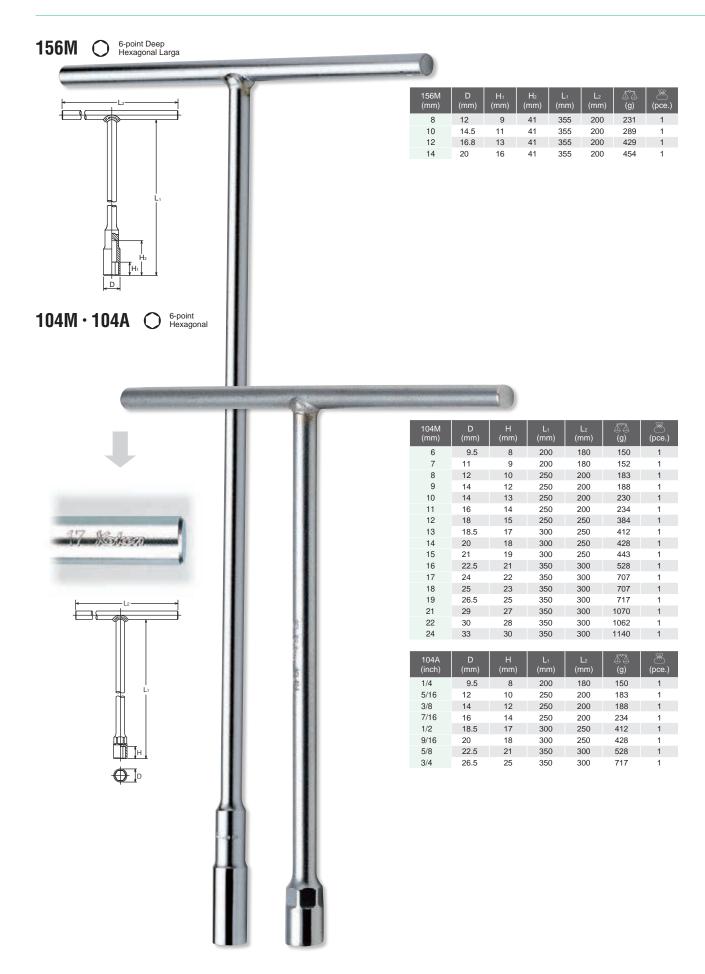
BOLTTWISTER® AFLOJA PERNOS 4129-75





Socket Set on Rail Juego de Vasos en Regleta RS4129/5-L75





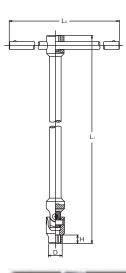


3116M O Universal with 6-point Socket Con articulación universal con Vaso Hexagonal



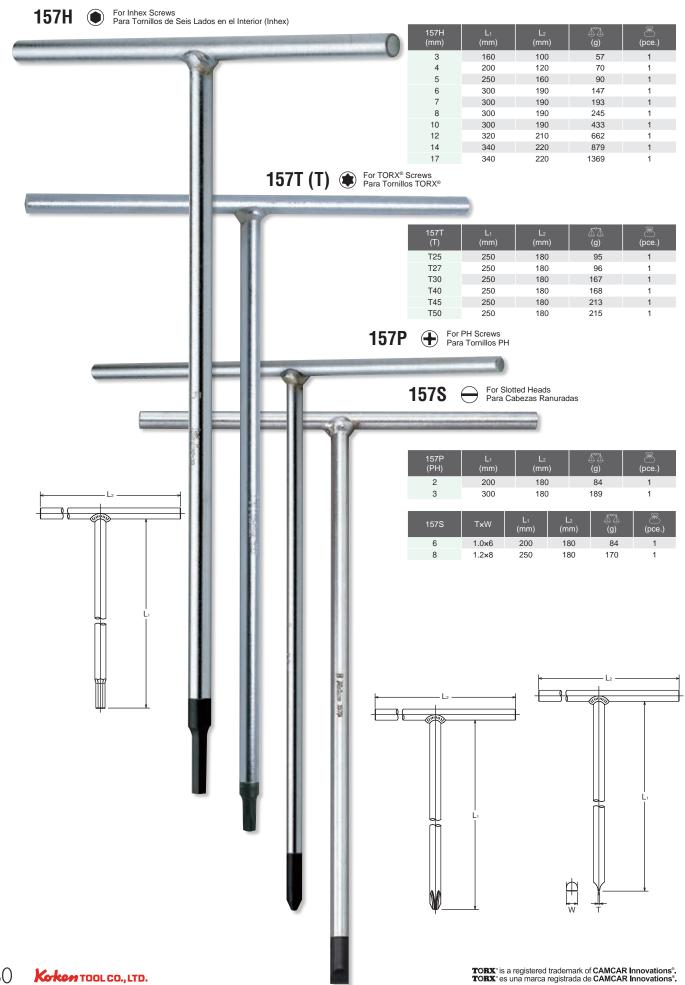
124M.600 (mm)	D (mm)	H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	₫∄ (g)	(pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1











160

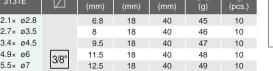
IMPACT SCREWDRIVERS ACCESSORIES
DE IMPACTO DESTORNILLADORES ACCESORIOS







3131E		D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
□2.1× ø2.8		6.8	18	40	45	10
□2.7× ø3.5		8	18	40	46	10
□3.4× ø4.5		9.5	18	40	47	10
□4.9× ø6	3/8"	11.5	18	40	48	10
□5.5× ø7	3/6	12.5	18	40	49	10
□7 × ø9		15	18	40	48	10
□9 ×ø11		17	18	40	48	10
□9 ×ø12		18	18	40	48	10



For DIN352, DIN351, DIN2181, DIN5157 tap

METAL CASE:W240×H100×T32mm





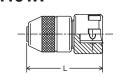
3131E



Tap Holder, Set 3264 Juego de adaptadores para machos de terrajas



3131A Tap Holder, Adjustable Adaptadores para machos de terrajas 4131A



Handle Llave

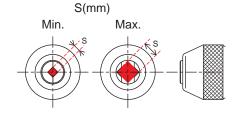
160K



3131E □2.1×ø2.8, □2.7×ø3.5, □3.4×ø4.5, □4.9×ø6, □5.5×ø7, □7×ø9, □9×ø11, □9×ø12, 160K 3760-125

3131A		S(n	nm)	L		
SISIA		Min.	Max.	(mm)	(g)	(pcs.)
1	3/8"	2.0	5.0	42	80	5
2	3/6	4.5	8.0	47	100	5

4131A		S(n	nm)	L	TZ.	
4131A		Min.	Max.	(mm)	(g)	(pcs.)
3	1/2"	5.5	12	69	400	2





	$\square$	C (mm)	L (mm)	∆̃∆ (g)	(pce.)
160K	3/8"	10	220	130	1
160K-1/2	1/2"	10	220	135	1

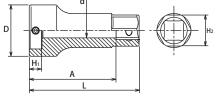
		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	d (mm)	A (mm)	L (mm)	Д¯Д (g)	(pcs.)
3132-20	3/8"	28	7	17	8	45	60	130	5
4132-25		34	9	22	14	40	60	170	2
4132-38	1/2"	48	13	24	18	60	80	315	2
4132-50	_	60	16	27	30	85	105	740	2



Die is not included.







# 102NM • 102NA O Without Reverse Lever Sin palanca de inversión



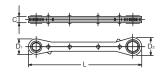




# 102KM · 102KA O Reversible Reversible

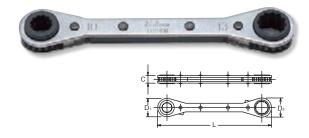






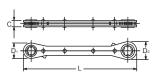


102KW.BH With Twin Openings (Two-in-One) Con Bocas Gemelas (Dos en Uno)



### Reversible TORX® Reversible TORX® 102KT ()





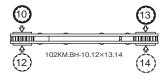
102NM (mm)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	₫₫ (g)	(pcs.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
11×13	145	23.6	24.6	9	112	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	60	10
1/4 × 9/32	108	15.3	16.4	7.5	60	10
$1/4 \times 5/16$	108	15.3	16.4	7.5	60	10
5/16×11/32	134	17.1	19.7	7.5	80	10
5/16× 3/8	134	17.1	19.7	7.5	80	10
$3/8 \times 7/16$	140	20.1	22.7	7.5	87	10
7/16× 1/2	145	23.6	24.6	9	112	5
$1/2 \times 9/16$	145	23.6	24.6	9	112	5

102KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	5
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17	200	27.1	31.8	11.5	200	5

102KA (inch)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	Д°Д (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.2	51	10
1/4 × 5/16	108	15.3	16.4	7.2	51	10
5/16×11/32	134	17	20	9	76	10
3/8 × 7/16	141	21	23.5	9.1	84	10
1/2 × 9/16	146	24	25	9.1	89	5

102KM.BH (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫₫ (g)	(pcs.)
5.5• 6× 7• 8	108	15.3	16.4	10	60	10
8 •10×12•13	141	21	23.5	13	87	10
9 •10×11•12	141	21	23.5	13	87	10
10 •12×13•14	146	24	25	13	98	5
13 •14×15•17	200	27.1	31.8	16	200	5



102KT (E)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
E 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

103KM (mm)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
6× 7	108	15.3	16.4	7.5	51	5
7× 8	108	15.3	16.4	7.5	51	5
8× 9	134	17	20	9	76	5
8×10	134	17	20	9	76	5
10×11	140	21	23.5	9	84	5
10×12	140	21	23.5	9	84	5
12×13	145	24	25	9	89	5
12×14	145	24	25	9	89	5

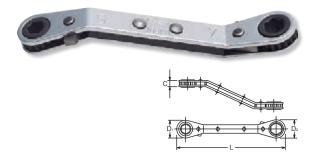
103KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	51	5
$1/4 \times 5/16$	108	15.3	16.4	7.5	51	5
5/16×11/32	134	17	20	9	76	5
5/16× 3/8	134	17	20	9	76	5
$3/8 \times 7/16$	140	21	23.5	9	84	5
7/16× 1/2	145	24	25	9	89	5
$1/2 \times 9/16$	145	24	25	9	89	5

103KA.BH (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	⇔ (pcs.)
1/4×5/16	108	15.3	16.4	7.5	51	5
3/8×7/16	140	21	23.5	9	84	5
1/2×9/16	145	24	25	9	89	5

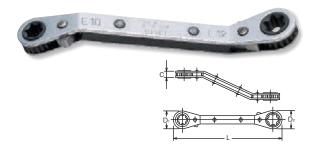
103KT (E)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫¼ (g)	(pcs.)
E 4×E 6	104	15.3	16.4	7.5	51	5
E 6×E 8	104	15.3	16.4	7.5	51	5
E10×E12	128	17	20	9	76	5
E14×E16	139	24	25	9	89	5

R810 (inch)	L (mm)	D₁ (mm)	D <sub>2</sub> (mm)	C (mm)	₫Д (g)	(pcs.)
1/4×5/16	108	15.3	16.4	7.5	60	10
3/8×7/16	140	20.1	22.7	7.5	87	10
1/2×9/16	145	23.6	24.6	9	112	10

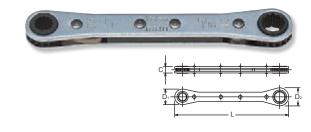


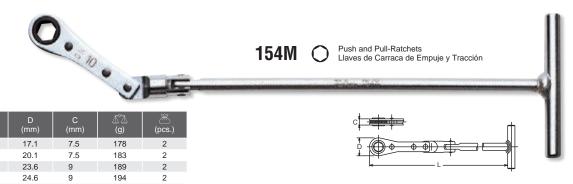






Reversible Reversible **R810** 





154M ()



8

10

12

13

294

297

300

301

301

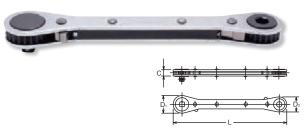
24.6

194

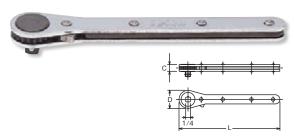
2

137 For 1/4" and 3/8" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4" y 3/8"

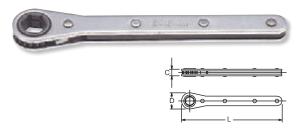




139 For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"



145KM-10H Reversible, 10mm 6-point Reversible, 10mm Hexagonal



150-10H O Sockets with 10mm 6-point Drive End Vasos con Conductor Hexagonal 10mm





1203 Sockets with 10mm 6-point Drive End in Set with Ratchet Juego de Vasos con Conductor Hex con Llave de Carraca



	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
137	141	23.5	21	9	104	5
1/4"× 3/8"						

	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	₫∄ (g)	(pcs.)
138	141	23.5	21	9	97	5
1/4" × 1/4	•					

$\overline{}$	_

	L (mm)	D (mm)	C (mm)	₫¼ (g)	(pcs.)
139	125	20.1	7.5	80	10

1/4"

145KM	L	D	C	₫¼	(pcs.)
(mm)	(mm)	(mm)	(mm)	(g)	
10H	125	20.1	7.5	72	10



145KM-10H+150.10H-8 2753N+2400M-8

150.10H (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

1203	7 Pieces Set/ὧື⊿=250g
METAL CASE:W130×H65×T20m	ım
Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	145KM-10H

R810A METAL CASE:W130×H65×T20mm 5 Pieces Set/🏂 📜 = 208g 101P PH Bits 1, 2, 3 0 102NA-1/4×5/16 101S Slotted Bit 1×7

R810B	10	Pieces Set/』  268g
METAL CASE:W130×H65×T20m	m	
Bits	A	ccessory
101P PH Bits 1, 2, 3	0	102NA-1/4×5/16
101S Slotted Bit 1x7		
128H Hex Bits 3, 4, 5, 6, 8		

R810C	12 Piece	es Set/ଛିଅ=227g
METAL CASE:W130×H65×T20m	nm	
Bits,Sockets	Accesso	ries
101P PH Bits 1, 2, 3		102NA-1/4×5/16
101S Slotted Bit 1x7	4	IUIA
2400M Sockets 5, 6, 7, 8, 9, 10		

R810D METAL CASE:W130×H65×T20m		es Set/ὧ∄=336g
Bits,Sockets	Accessor	ries
101P PH Bits 1, 2, 3	0.0	102NA-1/4×5/16
101S Slotted Bit 1x7		101A
128H Hex Bits 3, 4, 5, 6, 8		
2400M Sockets 5, 6, 7, 8, 9, 10		



Bit Set Juego de Puntas **R810A** 



Bit Set Juego de Puntas **R810B** 



Bit and Socket Set Juego de Puntas y Vasos **R810C** 









101P PH Bits Puntas PH





101P (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10



1015 — Bits for Slotted Head Puntas Rectas/Planas





101S	D (mm)	L (mm)	ДĨД (g)	(pcs.)
1.0×7	6.35	15	3	10
1.2×7	6.35	15	3	10



101H Hex Bits Puntas Hexagonales





101H (mm)	D (mm)	L (mm)	ДД (g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

101B



Ball point Hex Bits
Puntas Hexagonales con bola







101B (mm)	D (mm)	L (mm)	∆ ∆ (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

Ball point bits have less strength due to the special design. Ball point bits have less surerigh.

Make sure to use them correctly.

101T (T)



TORX® Bits Puntas TORX®





101T (T)	D (mm)	L (mm)	₫Д (g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10

101T (TH)



Tamper-Registant TORX® Bits Punta TORX®, indeformable







				600
101T (TH)	D (mm)	L (mm)	ДД (g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

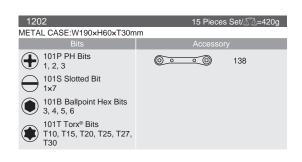


Tamper Resistant TORX® Bits have less strength due to special design. Tamper Resistant Took S...
Make sure to use it correctly.

128H (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

128T (T)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
	8	6.35	20	8	10



2254M 12 Pieces Set/47=450			
METAL CASE:W160×H100×T28	mm		
Bits	Accessori	es	
101P PH Bits 1, 2, 3		102NA-1/4×5/16	
101S Slotted Bits 1x7, 1.2x7		2769F	
( 4041111 Pit-		101A	
101H Hex Bits 3, 4, 5		2137	







TORX® Bits Puntas TORX® 128T (\*)





101A Adaptor Adaptador





Bit Set Juego de Puntas 1202







3112N Attack Driver Destornillador de Impacto





		L (mm)	₫¼ (g)	(pce.)
3112N	2/0"	159	730	1
3112G	3/0	159	810	1

\* 3112N Renewal Kits → **3112RK** → P321

	$\square$	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
4112N	1/0"	163	730	1
4112G	1/2	163	810	1

\* 4112N Renewal Kits → **4112RK** → P321

	Ø	L (mm)	₫∄ (g)	(pce.)
6112	3/4"	190	1900	1

\* Renewal Kits → 6112RK → P321



Attack Driver Destornillador de Impacto 4112N



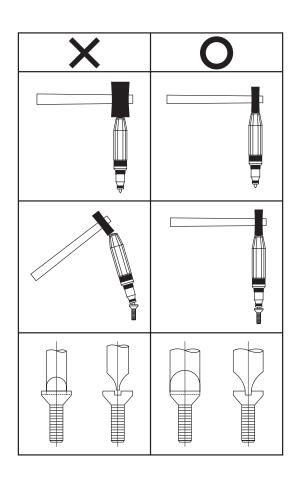


Black finished head prevents peeling off the chrome plate by striking



Attack Driver Destornillador de Impacto 6112





AN318A 6 Pieces Set/A∑=1,070g

METAL CASE:W190×H59×T45mm

Bits Accessories

100P.32 PH Bits 3112N

100S.32 Slotted Bits 9, 11

AN112A	6 Pieces Set/	∑∄=1,070g
METAL CASE:W190×H59×T45mm		
Bits	Accessories	S
100P.32 PH Bits 2, 3		4112N
100S.32 Slotted Bits 9, 11		4138

100P, S Bits →P174

AG318A	6 Pieces Set/ὧ	〗=1,150g
METAL CASE:W220×H82×T60mm  Bits	Accessories	
100P.32 PH Bits 2, 3 100S.32 Slotted Bits 9, 11		3112G 3138
AG112A	6 Pieces Set/ὧ	∄=1,150g

6 Pieces Set/Æ	∄=1,150g
Accessories	
	4112G
	4138

100P, S Bits → P174

AN112C	8 Pieces Set/	∑∆=1,350g
METAL CASE:W220×H82×T60mm		
Bits		S
100P.80 PH Bits 1, 2, 3		4112N
100S.80 Slotted Bits 7, 9, 12		4138

100P, S Bits →P174

AG112F	25 Pieces Set/	∑_=1,530g
METAL CASE:W220×H82×T60mm		
Bits	Accessories	
100P.32 PH Bits 2, 3		4112G
100P.32 PZ Bits PZ2, PZ3		4138
100S.32 Slotted Bits 9, 11		
100H.32 Hex Bits 4, 5, 6, 7, 8, 10		
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50		
100X.32 XZN Bits M5, M6, M8, M10, M12		
100P, S, H, T, X Bits → P174-175		

AG112H

METAL CASE:W220×H82×T60mm

Bits

Accessories

100P.32 PH Bits
2, 3, 4

100S.32 Slotted Bits
8, 9, 10, 12, 14

100H.32 Hex Bits
5, 6, 8, 10

100T.32 TORX® Bits
130, T40, T45, T50

100P, S, H, T Bits → P174

# AN318A AN112A

Attack Driver Set Juego de Destornilladores de Impacto

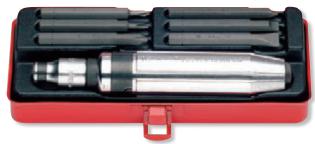


# AG318A AG112A

Attack Driver Set Juego de Destornilladores de Impacto



# AN112C Attack Driver Set Juego de Destornilladores de Impacto



# AG112F Attack Driver Set Juego de Destornilladores de Impacto



AG112H Attack Driver Set Juego de Destornilladores de Impacto









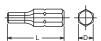


108H-25 •



Hex Bits Puntas Hexagonales





108T-25 (T)



TORX® Bits Puntas TORX®





108T-25 (TH) **②** 



Tamper-Registant TORX® Bits Punta TORX®, indeformable









Tamper Resistant TORX® Bits have less strength due to special design.

108A



Adaptor Adaptador



<b>+</b>		
S.	L .	

108P.25 (PH)	D (mm)	L (mm)	₫∄ (g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10
108P.32 (PH)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	3 6.35 32		8	10
108P.50 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

1000.20	(mm)	(mm)	(mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10
		_		<del>-</del> ⊽=	黑
108S.39	T×W (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
108S.39 3			(mm) 39		$\sim$
	(mm)	(mm)		(g)	(pcs.)
3	(mm) 0.5×3	(mm) 6.35	39	(g) 6	(pcs.)
3 4	(mm) 0.5×3 0.6×4	(mm) 6.35 6.35	39 39	(g) 6 6	(pcs.) 10 10
3 4 4.5	(mm) 0.5×3 0.6×4 0.6×4.5	(mm) 6.35 6.35 6.35	39 39 39	(g) 6 6 6	(pcs.) 10 10 10
3 4 4.5 5	(mm) 0.5×3 0.6×4 0.6×4.5 0.8×5	(mm) 6.35 6.35 6.35 6.35	39 39 39 39	(g) 6 6 6 7	(pcs.) 10 10 10 10
3 4 4.5 5 5.5	(mm) 0.5×3 0.6×4 0.6×4.5 0.8×5 0.8×5.5	(mm) 6.35 6.35 6.35 6.35 6.35	39 39 39 39 39	(g) 6 6 6 7 8	(pcs.)  10  10  10  10  10  10

1085 25 TxW D L A A

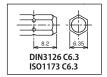
108H.25 (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10
			=7=	500
108H.25 (inch)	D (mm)	L (mm)	⊕`∆ (g)	(pcs.)
		L (mm) 25	⊕`∆ (g) 4	$\sim$
(inch)	(mm)	, ,		(pcs.)
(inch) 1/8	(mm) 6.35	25	4	(pcs.)
(inch) 1/8 9/64	(mm) 6.35 6.35	25 25	4 5	(pcs.) 10 10
(inch) 1/8 9/64 5/32	(mm) 6.35 6.35 6.35	25 25 25	4 5 5	(pcs.) 10 10 10

108T.25 (T)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T.25 (TH)	D (mm)	L (mm)	Ø`∆ (g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

108A.25	S	D (mm)	L (mm)	₫¼ (g)	∭ (pcs.)
1/4B	1/4"	6.35	25	10	10

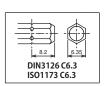
		D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10



		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12139-1/4	1/4"	11	13	25	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	35	62	10	*3

\*1 Pin/O-Ring=A21/B21 \*2 C-Ring=C31, Pin/O-Ring=A31/B31

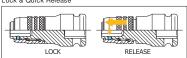
→P270-271 \*3 C-Ring=C41, Pin/O-Ring=A41/B41

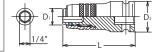


	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C41, Pin/O-Ring=A41/B41 →P270-271

Lock & Quick Release



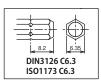


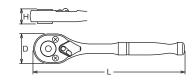
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1



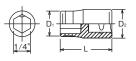




2137 O Bit Holder Porta-punta 3137 🔾 4137 🔾





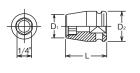




Impact Bit Holder Porta-punta de Impacto 12139 13139 0 14139 🔾









13142-D6.3 O 14142-D6.3 O

Impact Bit Holder for 1/4" (6.3) Bits
Porta-punta de Impacto para Puntas 1/4" (6.3)



2749P-1/4HF

Reversible Ratchet, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4"



2774P-1/4HF ()







100P.32 (PH)	D (mm)	L (mm)	ДД (g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P.80 (PH)	D (mm)	L (mm)	(g) ( <sup>©</sup> D	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10
100P.125 (PH)	D (mm)	L (mm)	(g) (\bar{D}	(pcs.)
2	8	125	48	10
3	8	125	49	10

**100P-32 (PZ)** PZ Bits Puntas PZ



100P.32 (PZ) Д`Д (g) PZ2 8 32 10 10 PZ3 8 32 11 10

Bits for Slotted Head Puntas Rectas/Planas 100S-32 ⋅ -80 ⊖

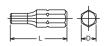


100S.32	T×W (mm)	D (mm)	L (mm)	₫¼ (g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 x12	8	32	18	10
14	2 ×14	8	32	21	10

100\$.80	T×W (mm)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H-32 • Hex Bits Puntas Hexagonales

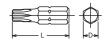




100H.32 (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T)		TORX® Bits Puntas TORX
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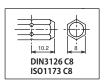
100T.32 (T)	D (mm)	L (mm)	∆ ∆ (g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

100T.32 (TH)	D (mm)	L (mm)	₫Д (g)	∭ (pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

100X.32 (XZN)	D (mm)	L (mm)	ДĨД (g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

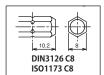
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10



		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
12140-5/16	1/4"	14	13	25	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	35	62	10	*3

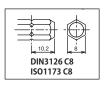
\*1 Pin/O-Ring=A21/B21

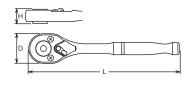
\*2 C-Ring=C31, Pin/O-Ring=A31/B31 \*3 C-Ring=C41, Pin/O-Ring=A41/B41 →P270-271





	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1

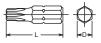






•5/16"



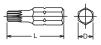




# 100X-32 (XZN)



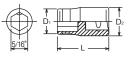
XZN Bits Puntas XZN





2138 O Bit Holder Porta-punta 3138 O 4138 O





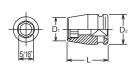


Impact Bit Holder Porta-punta de Impacto 12140 13140 0



14140





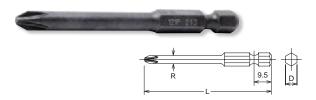


Reversible Ratchet, for Bits 5/16" Llave de Carraca Reversible, para Puntas 5/16" 2749P-5/16HF

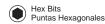




**121P-50 · -70 · -100 · -150** ⊕ PH Bits Puntas PH



121P.50 (PH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10





121H.50 (mm)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	_	50	14	10

121T-50 · -70 · -100 · -150 (T) TORX® Bits Puntas TORX®



121T.50 (T)	D (mm)	R (mm)	L (mm)	ДД (g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

121P.70 (PH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	_	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	₫₫ (g)	∭ (pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	_	150	36	10

121H.70 (mm)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H.100 (mm)	D (mm)	R (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	-	100	26	10

	121H.150 (mm)	D (mm)	R (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
ı	2	6.35	3.5	150	35	10
	2.5	6.35	3.5	150	35	10
	3	6.35	3.5	150	37	10
	4	6.35	4.5	150	37	10
	5	6.35	5.6	150	38	10
	6	6.35	_	150	39	10

121T.70 (T)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	-	70	18	10

121T.100 (T)	D (mm)	R (mm)	L (mm)	₫∄ (g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T.150 (T)	D (mm)	R (mm)	L (mm)	₫₫ (g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

121T.70 (TH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
T15H	6.35	3.5	70	15	10
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	_	70	18	10

121T.100 (TH)	D (mm)	R (mm)	L (mm)	₫Д (g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

121T.50 (IP)	D (mm)	R (mm)	L (mm)	₫Д (g)	∭ (pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

121T.70 (IP)	D (mm)	R (mm)	L (mm)	₫¼ (g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

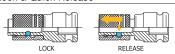
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	3/0	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

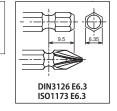
- \*1 Pin/O-Ring=A21/B21
- \*2 C-Ring=C31, Pin/O-Ring=A31/B31 
  \*3 C-Ring=C41, Pin/O-Ring=A41/B41

	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

- \*1 Pin/O-Ring=A21/B21
- \*2 C-Ring=C31, Pin/O-Ring=A31/B31 
  \*3 C-Ring=C41, Pin/O-Ring=A41/B41

### Lock & Quick Release

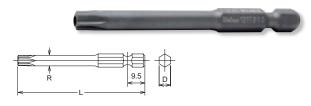




You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.





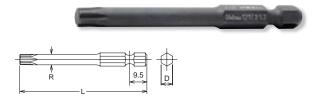


121T-50 · -70 (IP)



TORXPLUS® Bits Putas TORXPLUS®

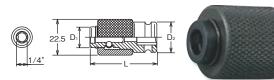
TORX pleas



13137H ()



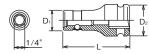
Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)



12137E O 13137E O

Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

14137E O



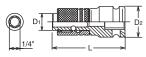


12142-F6.3

Impact Bit Holder for 1/4"(6.3) Bits
Porta-punta de impacto para Puntas 1/4"(6.3)



13142-F6.3 14142-F6.3





 $\label{torus} \textbf{TORX}^\circ \text{ is a registered trademark of CAMCAR Innovations}^\circ. \\ \textbf{TORX}^\circ \text{ es una marca registrada de CAMCAR Innovations}^\circ.$ 

Nut Setter



123PT (PH)	D (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10

TORSION

123PN-75 · -100

Double Ended Bits Puntas PH, simétricas

123PG-75 · -100

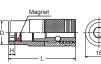
Magnetic type



123PN.75 123PG.75 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	Д¯Д (g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10











You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

45

45

45

45

45

(g)

55

58

65

68

70

10

10

10

10

10

The magnet could be broken with any impacts. Please handle with care.

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.

3.5

4.2

5.6

6.4

6

13.5

18.5

16

20

21

Ring magnet holds a bolt or nut for easy work.

8

10

12

13

14

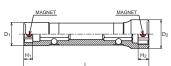


## PH Bit



165BM	0	Double-sided socket with side magnets





165BM.70 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8×10	13	16	5	6	70	55	10
165BM.80 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
10×12	16	19.1	6	8	80	80	10
10×13	16	20.5	8	8	80	80	10
165BM.100 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
10×12	16	19.1	8	8	100	95	10
10×14	16	21.5	8	10	100	105	10
12×14	19.1	21.5	8	10	100	130	10

DIN3126 E6.3 ISO1173 E6.3





Nut Setters Vasos para apretar tuercas Hexagonales



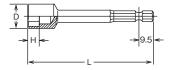
113.50 (inch)	D (mm)	H (mm)	L (mm)	Д″Д (g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	25	10
1/2	18	8	50	42	10

# 6.35

113.50 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	24	10
11	16	8	50	28	10
12	17	8	50	39	10
13	18	8	50	42	10
1.4	10	0	50	46	10

113-75 · -100 · -150 · -200 · -250  $\bigcirc$ 

Nut Setters Vasos para apretar tuercas Hexagonales



113.75 (mm)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113.150 (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113.250 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113.50 (E)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

E10	12	7.4	50	20	10
440.50				<i>⊼</i> <sup>©</sup> 7.	$\sim$
113.50	D	Ή	L	<u> ZZ</u>	
113.50 (mm)	D (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)
(mm)			L (mm) 50		(pcs.)
	(mm)	(mm)		(g)	

50

50

26

28

13(2B)	18	8	50	31	10
113.50 (inch)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)
3/8(2B)	14.2	7	50	26	10



113.100 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

113.200 (mm)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10





Nut Setters, TORX® Vasos para apretar tuercas, TORX®



113-50 (2B)

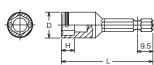


Nut Setters Nut Grip® Vasos para apretar tuercas con 2 bolas



10

10





16

14.2

10(2B)

12(2B)

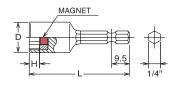


115-50 MG Nut Setters with Magnet Vasos para tuercas con Imán





115.50 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
11	16	4.9	50	35	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

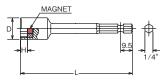


115.50 (inch)	D (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10





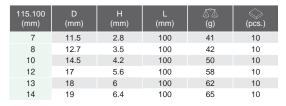




115.75 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115.150 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

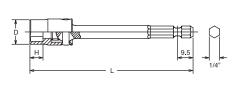
115.250 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



115.200 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

DIN3126 E6.3 ISO1173 E6.3







113UN.100 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN.150 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN.200 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

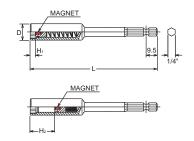


115G-75 · -100 · -150 · -200 · -250 · -300



Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo







115G.75 (mm)	D (mm)	H <sub>1</sub> (mm)	H₂ (mm)	L (mm)	₫Д (g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

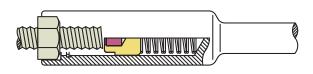
115G.150 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G.250 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	&∆ (g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10
13	18	6.5	25	250	150	10

115G.100 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	
7	11.5	3.5	26	100	51	10	
8	12.7	4	26	100	51	10	
10	14.5	4.5	26	100	57	10	
12	17	6	26	100	77	10	
13	18	6.5	25	100	80	10	
14	19	7	24	100	82	10	

115G.200 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

115G.300 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
10	14.5	4.5	26	300	140	10
12	17	6	26	300	155	10



Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line

El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.



183H.35 (mm)	L (mm)	ДД (g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	1
14	35	35	10	
16	35	47	10	
17	35	50	10	$\overline{\Lambda}$
18	35	53	10	1
19	35	56	10	$\triangle$

The items with have larger output size than 7/16" input hex drive. The items with have larger output size than 7/10 input nex unive.

Due to this design the Maximum output torque rating is less than standards.



10 10

10

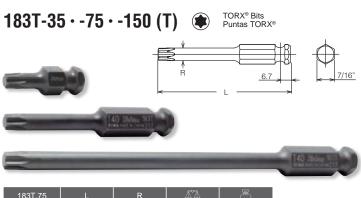
183H.35 (inch)	L (mm)	Ø∄ (g)	∭ (pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

(mm)	(mm)	(mm)	(g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	-	57	10	
11	75	-	60	10	
12	75	-	65	10	
14	75	-	79	10	<u> </u>
183H.150 (mm)	L (mm)	R (mm)	₫₫ (g)	∭ (pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	

L (mm)	R (mm)	₫Д (g)	(pcs.)	
150	6	51	10	
150	6.5	55	10	
150	7.5	65	10	
150	9.5	87	10	
150	-	118	10	
150	-	136	10	$\triangle$
	150 150 150 150 150	(mm)         (mm)           150         6           150         6.5           150         7.5           150         9.5           150         -	(mm)         (mm)         (g)           150         6         51           150         6.5         55           150         7.5         65           150         9.5         87           150         -         118	(mm)         (mm)         (g)         (pcs.)           150         6         51         10           150         6.5         55         10           150         7.5         65         10           150         9.5         87         10           150         -         118         10



183H.75B (mm)	L (mm)	R (mm)	₫Д (g)
6B	75	5.7	39
8B	75	7.7	44
10B	75	9.7	49
12B	75	11.7	72
183H.150B (mm)	L (mm)	R (mm)	₫∄ (g)
	L (mm) 150		(g) 65
(mm)		(mm)	
(mm) 6B	150	(mm) 5.7	65



183T.75 (T)	L (mm)	R (mm)	₫₫ (g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

			6.7 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11
Г.35	L	₫ <u>¯</u> Δ	(pcs.)
<sup>-</sup> )	(mm)	(g)	

183T.35 (T)	L (mm)	₫Д (g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	<u> </u>

183T.150 (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
T30	150	6	50	10	
T40	150	6.9	58	10	
T45	150	8	70	10	
T50	150	9	82	10	
T55	150	11.4	113	10	
T60	150	13.5	148	10	$\triangle$

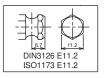
The items with have larger output size than 7/16" input hex drive. The items with A have larger output size than 1710 important of the Due to this design the Maximum output torque rating is less than standards.

₫₫ (g) 30IP 35 18 10 40IP 35 20 10 35 22 10 45IP 50IP 35 26 10 55IP 35 30 10 60IP 35 38 10

183T.75 (IP)	L (mm)	R (mm)	Д¯Д (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	

The items with  $\triangle$  have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards



183X.35 (XZN)	L (mm)	Д°Д (g)	(pcs.)	
M 4	35	18	10	
M 5	35	18	10	
M 6	35	20	10	
M 8	35	22	10	
M10	35	26	10	
M12	35	30	10	
M14	35	38	10	A

183X.75 (XZN)	L (mm)	R (mm)	₫ <u>¯</u> (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	

The items with have larger output size than 7/16" input hex drive. 

	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

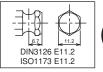
- \*1 C-Ring=C32,Pin/O-Ring=A32/B32

13134-SC



Replacement Screw : M8x6, ● 4mm

For DIN3126 / ISO1173 E11.2 Bits





		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

\*1 C-Ring=C32,Pin/O-Ring=A32/B32
\*2 C-Ring=C41,Pin/O-Ring=A41/B41

DIN3126 / ISO1173 E11.2 Bits



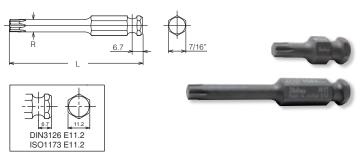


183T-35 ⋅ -75 (IP) ●



TORXPLUS® Bits Puntas TORXPLUS®

TORXALORS®



183X-35 · -75 · -150 (XZN)

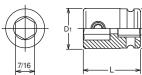


XZN Bits Puntas XZN



183X.150 (XZN)	L (mm)	R (mm)	ДĨД (g)	∭ (pcs.)	
M 5	150	6	50	10	
M 6	150	6.2	53	10	
M 8	150	7.4	64	10	
M10	150	9.8	93	10	
M12	150	11.7	121	10	
M14	150	13.5	151	10	2

Impact Bit Holder Porta-punta de Impacto 13134 14134 16134 O

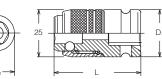




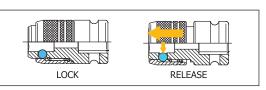


14142-F11.2

Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida) 13142-F11.2 O









You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

-35P · -50P · -75P · -100P · -150P · -200P



110	$\square$	TYPE	L (mm)	₫∄ (g)	(pcs.)
35B		Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
75B		Ball	75	25	10
75P	1/4"	Pin	75	25	10
100B	1/4	Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10
200B		Ball	200	73	10
200P		Pin	200	73	10

DIN 3126 / ISO 1173 Form E 6.3

110AL-62 · -100 · -150 · -200



Adaptor (Quick Release) Adaptador (Extracción Rápida)





	110AL	Ø	D (mm)	L (mm)	∆ d (g)	(pcs.)
New	62		16.2	62	37	10
New	100	1/4"	16.2	100	52	10
New	150	[1/4]	16.2	150	72	10
New	200		16.2	200	92	10

● DIN 3126 Form E 6.3

You may not hold the sliding part while moving to avoid heating up by friction and

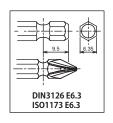




112	$\square$	TYPE	L (mm)	₫Д (g)	(pcs.)
50B		Ball	50	21	10
50P		Pin	50	21	10
75B		Ball	75	46	10
75P		Pin	75	46	10
100B	3/8"	Ball	100	71	10
100P	5/6	Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10
200B		Ball	200	165	10
200P		Pin	200	165	10
<b>♠</b> DIN 2420	1100 1170	Farm F C 2			

DIN 3126 / ISO 1173 Form E 6.3

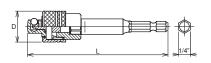






112AL Adaptor (Quick Release)
Adaptador (Extracción Rápida)







	112AL	Ø	D (mm)	L (mm)	₫Д (g)	(pcs.)
New	100	3/8"	22	100	95	10

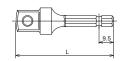
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

DIN 3126 Form E 6.3





Adaptors Adaptadores



135E	$\square$	TYPE	L (mm)	Ø∄ (g)	(pcs.)
60B	1/0"	Ball	60	46	10
60P	1/2	Pin	60	46	10

DIN 3126 / ISO 1173 Form E 6.3



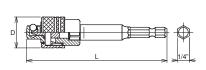






Adaptor (Quick Release) Adaptador (Extracción Rápida)







	135AL		D (mm)	L (mm)	₫Д (g)	∭ (pcs.)
New	100	1/2"	28	100	160	10

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

117-50B · -100B Adaptors Adaptadores -50P · -100P 120-50B·-50P

186-75P Adaptors with Pin Adaptadores con Perno

0 

₫∄ (g) 50B Ball 10 10 1/4" 100B Ball 100 71 10 100P 100 10

DIN 3126 / ISO 1173 Form G7

120	$\square$	TYPE	L (mm)	₫∄ (g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P	5/6	Pin	50	27	10

DIN 3126 / ISO 1173 Form E8

186-75P		L (mm)	₫₫ (g)	(pcs.)
3/8	3/8"	75	65	10
1/2	1/2"	75	85	10

DIN 3126 / ISO 1173 Form E11.2



BD022-12	20P 🛮	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

	C6.3	C8	E6.3	E8	E11.2	G7
DIN3126 ISO1173 Bits	8.2 6.35 No. Page	No. Page	9.5 6.35 No. Page	No. Page	6.7 11.2 No. Page	20 6 3.8 No. Page
PH PH	108P series 172	100P series 174	121P series 176/178			
PZ PZ		100P(PZ) series 174				
Slotted	108S series 172	100S series 174				
HEX	108H series 172	100H series 174	121H series 176		183H series 182	
HEX (Ball point)					183H-B series 182	
TORX® (T)	108T(T) series 172	100T(T) series 174	121T(T) series 176		183T(T) series 182	
TORX® (TH)	108T(TH) series 172	100T(TH) series 175	121T(TH) series 177			
TORXplus® (IP)			121T(IP) series 177		183T(IP) series 183	
XZN		100X series 175			183X series 183	
6-point			113 series 179/181			
6-point (with Magnet)			115 series 180-181			
TORX® (E)			113(E) series 179			
ADAPTOR	108A 172		110 series 112 series 135 series 184-185	120 series 186	186 series 186	117 series 186
O BIT HOLDER	2137 3137 4137 12139 13139 14139 13142-D6.3 14142-D6.3	2138 3138 4138 12140 13140 14140	12137E 13137E 14137E 12142-F6.3 13142-F6.3 14142-F6.3		13134 14134 16134 183 13142-F11.2 14142-F11.2	

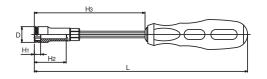
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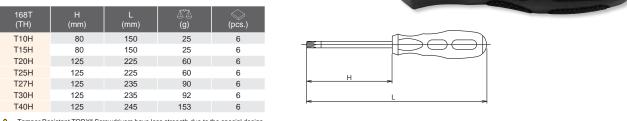


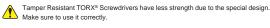


167C(2B) (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	H₃ (mm)	L (mm)	₫∄ (g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

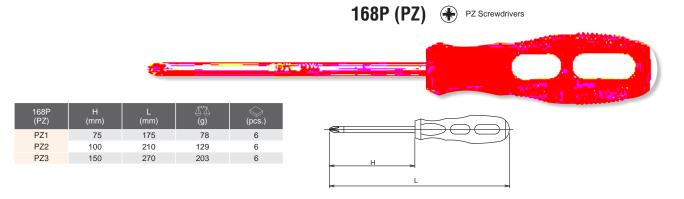
167C/3-2B PLASTIC BAG		4 Pieces Set/△◯ =280g
	Socket Drivers	
Socket: Grip:	7, 8, 10 167C-GRIP	







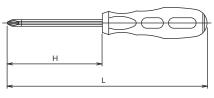


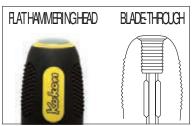










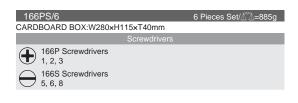


166P (PH)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (mm)	L (mm)	₫₫ (g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6







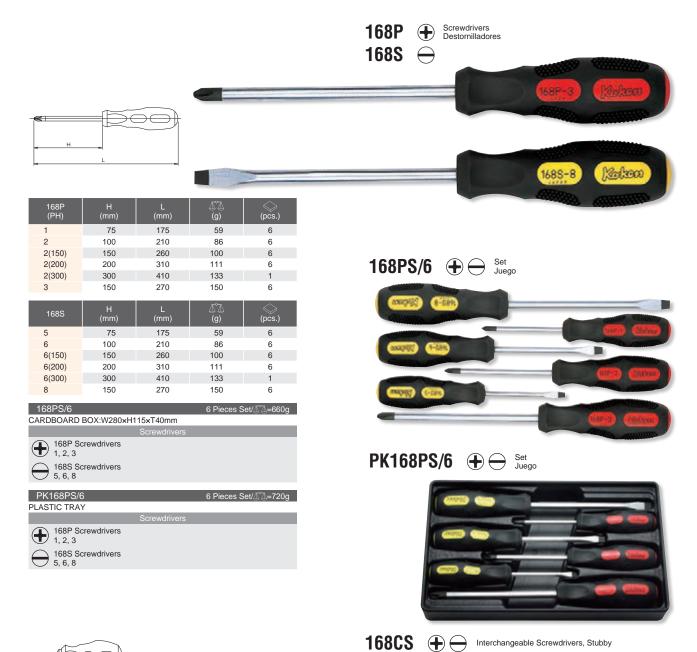
# PK166PS/6 $\bigoplus$ Set Juego

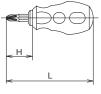




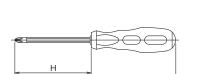








168CS	H (mm)	L (mm)	₫Д (g)	(pcs.)
2×6	22	86	46	6

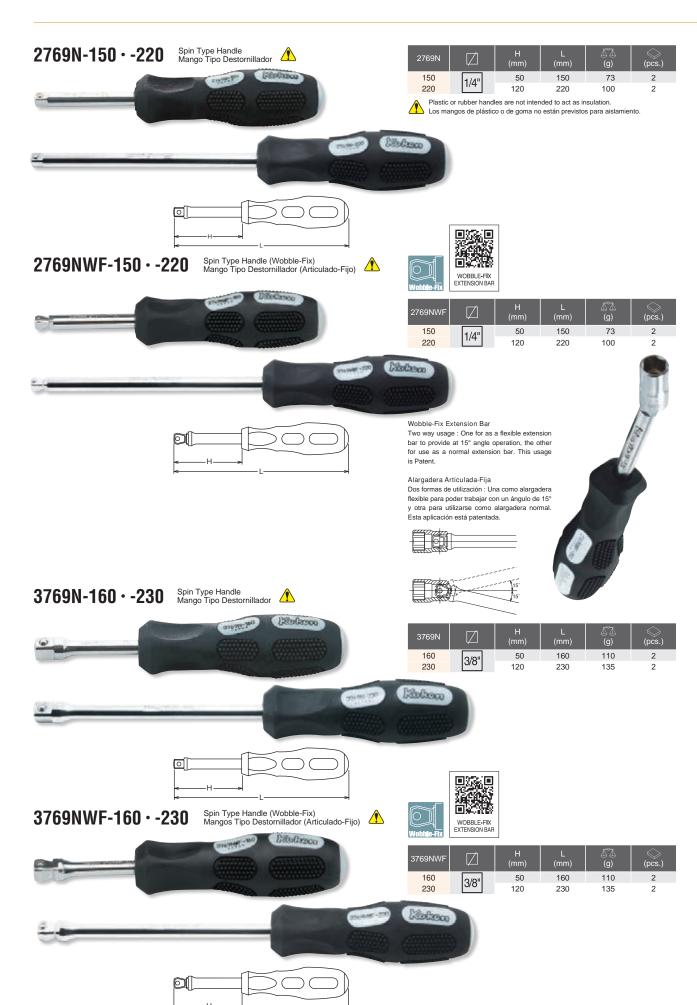


168C	H (mm)	L (mm)	₫Д (g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6











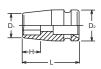
Impact	Sock	ets	1/4"(6	.35mm)S0	Q. Page	3/8"(9	.5mm)SQ	Page		re Drive 2.7mm)SC		5/8"(1	5.9mm)S	Q. Page	3/4"(1 No.	9mm)SQ.	Pa
	$\bigcirc$	6-point	12400M 12400A	mm inch	196 196	13400M 13400A	mm inch	199 199	14400M 14400A	mm inch	215 215	15400M 15400A	mm inch	233 233	16400M 16400A	mm inch	23
	Ŏ	6-point (Thin-wa <b>ll</b> ed)	124007	111011	,,,,	13401M	mm	200 200	14401M 14401A	mm	216 216	1040074	111011	200	16401M 16401A	mm	23
	MG	6-point	12400MG	mm	196	13401A 13400MG	mm	201	14401A 14400MG	mm	217				1040 IA	inch	2
	$\sim$	(with Magnet) 12-point	12400AG	inch	196	13400AG 13405M	inch mm	201 199	14405M	mm	215				16405M	mm	2
	$\sim$	12-point				13405A 13406M	inch	199 200	14405A 14406M	inch	215 216				16405A	inch	2
	$\frac{1}{2}$	(Thin-walled)				13406A	inch	200	14406A	inch	216						
	$\mathcal{L}$	Surface	12410M	mm	196	13410M	mm	201	14410M	mm	217	15410M	mm	233	16410M	mm	2
	$\mathcal{Q}$	PATHFINDER®	12465M	mm	197	13465M	mm	202	14465M	mm	218						
tandard Sockets	Q	TORX® (E)	12425	TORX®	197	13425 13425EG	TORX® TORX®	203 203	14425	TORX®	218				16425	TORX®	2
	$\mathbf{O}$	TORXplus® (EP)				13425-EPL	TORXplus®	203	14425-EPL	TORXplus®	218				16425-EPL	TORXplus®	2
	0	TORXplus® (EPR)				13425-EPRL	. TORXplus®	203									
	0	LH-S				13401LH	LH-STIX®	204	14401LH	LH-STIX®	219						
	0	for Self Tapping Screws	12460M 12460A	mm inch	197 197	13460M 13460A	mm inch	202 202									
	MG	for Self Tapping Screws (with Magnet)	12460MG 12460AG	mm inch	197 197	13460MG 13460AG	mm inch	202 202									
	Ŏ	Double Square							14415M	mm	218						
	ŏ	for Weld Nut				13400-WN		204	14400-WN		219						
Short Sockets	$\frac{\circ}{\circ}$	6-point				13401MS	mm	201	14401MS	mm	217						
onor cookida	$\stackrel{\sim}{\sim}$	(Thin-walled) 6-point				13301X	mm	204	14301X	mm	219				16301X	mm	- 2
emi Deep Sockets		(Thin-walled) 6-point							14301X		213				10301X	111111	
	MG	(with Slide Magnet)				13300XG 13300M	mm	205	14300M	mm	220				16300M	mm	2
	$\stackrel{\sim}{\vee}$	6-point	12300M	mm	198	13300A	inch	205	14300A	inch	220	15300M	mm	234	16300A	inch	2
	Ō	6-point (Thin-wa <b>ll</b> ed)				13301M 13301A	mm inch	205 205	14301M 14301A	mm inch	220 220				16301M 16301A	mm inch	- 2
	(MG)	6-point (with Slide Magnet)	12300G	mm	198	13300G	mm	206	14300G	mm	222						
	0	12-point				13305M	mm	206	14305M	mm	221				16305M	mm	- 2
Deep Sockets	$\bigcirc$	12-point (Thin-wa <b>ll</b> ed)				13306M	mm	206	14306M	mm	221						
	0	Surface				13310M	mm	206	14310M	mm	221	15310M	mm	234	16310M	mm	2
	O	PATHFINDER®	12365M	mm	198	13365M	mm	206	14365M	mm	222						
	Ö	TORX® (E)				13325	TORX®	207	14325	TORX®	222				16325	TORX®	2
	$\check{\cap}$	6-point				13145M	mm	212	14145M	mm	228						
<b>—</b>	MG	6-point				13145MG	mm	212	14145MG	mm	228						
xtension Sockets	$\sim$	(with Magnet)															
	$\frac{\circ}{\circ}$	12-point				13145M(12P) 13440M	mm	212	14440M	mm	222						
form.	$\stackrel{\smile}{\sim}$	6-point				13440A	inch	207	14440A	inch	222						
niversal Sockets	Ŏ	6-point (Extension)				13146M	mm	213	14146M	mm	228						
	<u> </u>	TORX® (E)				13440T	TORX®	207									
60		Hexagon				13012M	mm	208	14012M	mm	223						
Bit Sockets		TORX® (T)				13025	TORX®	208	14025	TORX®	223						
		Hexagon				13134M	mm	211	14134M	mm	226				16106-16 16107-22	mm	2
-400		TORX® (T)				13134T(T)	TORX®	211	14134T(T)	TORX®	226				16106-16(T)		2
Bit Sockets Bit changeable)		TORXplus®				13134T(IP)	TORXplus@	211	14134T(IP)	TORXplus®	226						
, , , , , , , , , , , , , , , , , , ,		(IP) XZN				13134X(XZN		211	14134X(XZN		226				16106-16(XZ	MI VZNI	2
		(Triple Square)							141347(721	I) AZIN	220				10100-10(XZ	N) AZIN	
The same		Hexagon				13430M	mm	207									
iversal Bit Sockets	O	Hexagon (Extension)				13147M	mm	213	14147M	mm	229						
Ext	ension	Bars	12760		198	13760		213	14760		229				16760		
Un	iversa <b>l</b>	Joints	12770		198	13770 13771 13772		214 214 214	14770 14771 14772		230 230 230	15770		234	16770 16771		2
Ada	aptors		12233A		198	13322A 13344A		214 214	14433A 14455A 14466A		230 230 230	15544A 15566A		234 234	16644A 16655A		2
						13333WA		214	14444WA 14444AL		230				16688A 16666AL		2

Impact Sockets					Square Drive								
Impact	Sockets	<b>1"(25.4mm)SQ.</b> No. Page				8.1mm)\$			63 <b>.</b> 5mm)\$			88 <b>.</b> 9mm)\$	
	6-point	18400M	mm	246	No. 17400M	mm	256	No. 19400M	mm	260	No. 10400M	mm	26
	6-point (Thin-walled)	18400A 18401M	inch	246	17400A	inch	256	19400A	inch	260	10400A	inch	26
	6-point	18401A	inch	247									
	(with Magnet)  12-point	18405M	mm	247	17405M	mm	257						
	12-point	18405A	inch	247	17405A	inch	257						
	(Thin-walled)												
	Surface	18410M	mm	248									
	PATHFINDER®  TORX®												
Standard Sockets	(E)												
	TORXplus® (EP)												
	TORXplus® (EPR)												
	CH-S												
	for Self Tapping Screws												
	for Self Tapping Screws (with Magnet)												
	O Double Square												
	for Weld Nut												
Short Sockets	6-point (Thin-walled)												
	6-point (Thin-walled)	18301X	mm	249									
emi Deep Sockets	6-point (with Slide Magnet)												
	6-point	18300M 18300A	mm inch	249 249	17300M 17300A	mm inch	257 257	19300M	mm	261			
	6-point	18301M	mm	250	17300A	IIICII	257						
	(Thin-walled)  6-point (with Slide Magnet)	18301A	inch	250									
	(with Slide Magnet)  12-point												
Deep Sockets	12-point												
	(Thin-walled)	18310M	mm	250									
	Surface	10310101	111111	250									
	PATHFINDER®  TORX®												
	(E)												
em	6-point	18104M	mm	248									
Extension Sockets	(with Magnet)												
	12-point												
	6-point												
Jniversal Sockets	6-point (Extension)												
	TORX® (E)												
	Hexagon												
Bit Sockets	TORX® (T)												
	Hexagon	18106-16 18107-22	mm mm	251 253	17108-32	mm	258						
-1000	TORX®	18108-32 18106-16(T)	mm TORX®	254 251									
Bit Sockets (Bit changeable)	TORXplus®												
, 3 ,	(IP)	18106-16(XZ	M) V7N	254									
•	(Triple Square)	10.00-10(AZ	··/ AZIN	251									
air ramal Dit C	Hexagon Hexagon												
niversal Bit Sockets	(Extension)												
Ex	tension Bars	18760		254	17760		259	19760		261			
Un	iversal Joints	18770 18771		255 255	17770		259	19770		261			
-53	antors	18866A		255	17788A		259	10077^		264	100004		
	aptors	18877A		255	17799A		259	19977A		261	10099A		2

# 12400M · 12400A O 6-point Sockets Vasos Hexagonales







# **FLAT DRIVE**®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

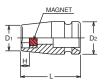
#### 12400MG · 12400AG



6-point Sockets with Magnet Vasos Hexagonales con Imán







#### **12410M** $\bigcirc$



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)







## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



12400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

12400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

\*1 Pin/O-Ring=A21/B21 → P271

12400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

12400AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

\*1 Pin/O-Ring=A21/B21 -> P271

12410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

\*1 Pin/O-Ring=A21/B21 -> P271

15 13 10 \*1 11 16.3 13 8 23 10 12 17.5 13 9 23 18 10 \*1 13 18.8 13 9 23 20 10

\*1 Pin/O-Ring=A21/B21 -> P271



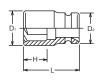
12425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P271





Pathfinder Sockets Vasos Pathfinder (Guía)

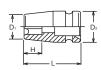




12425



TORX® Sockets Vasos TORX®





**TORX**®



	E .	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
	(ref. mm)																		
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

12460M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

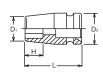
12460A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W	
1/4	10.3	13	5	23	15	10	*1	
5/16	12.8	13	6	23	16	10	*1	
3/8	15.3	13	7	23	19	10	*1	
1/2	19 1	13	8	23	23	10	*1	

\*1 Pin/O-Ring=A21/B21 -> P271

#### 12460M · 12460A



Sockets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes





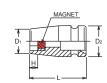
# 12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes

12460MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG D <sub>1</sub> (inch) (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
1/4 10.3	13	2.4	23	16	10	*1
5/16 12.8	13	3.5	25	18	10	*1
3/8 15.3	13	4.2	28	20	10	*1
7/16 16.6	13	4.9	29	27	10	*1
1/2 19.1	13	6	30	23	10	*1

\*1 Pin/O-Ring=A21/B21 → P271



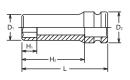




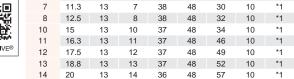
12760

6-point Sockets, Deep Vasos Hexagonales Largos 12300M ()









38

48

6

⊕ ∉ (g)

26

10

\*1

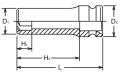
\*1 Pin/O-Ring=A21/B21 => P271

10

13

Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos 12365M







12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д̈́Д (g)	(pcs.)	(1)
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1
			_					

\*1 Pin/O-Ring=A21/B21 → P271

12300G	MG	Impact Socket with Vasos de Impacto o	Sliding Magnet on Imán Corredizo	Magnet	
			MAG	NET	SLIDE MAGNET
			1	MAGNET	

12300G (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
7	11.3	13	3.5	25	48	30	10	*1
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

\*1 Pin/O-Ring=A21/B21 --> P271

	TYPE	D (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1
12760-200	Hole	13	200	80	10	*1
	TYPE	D (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
12760-55P	Pin	13	55	26	10	*1
12760-75P	Pin	13	75	45	10	*1
12760-100P	Pin	13	100	50	10	*1

150

200

60

80

10

10

\*1 \*1

\*1 Pin/O-Ring=A21/B21 -> P271

Pin

Pin

13

13



12760-150P

12760-200P

12760-P	

Extension Bars

Alargaderas







	L (mm)	₫₫ (g)	(pcs.)	(1)
12222AL	35	30	10	*1

\*1 Pin/O-Ring=A21/B21 -> P271

Lock & Quick Release	
Lock	RELEASE

Lock
------

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	₫Ъ (g)	(pcs.)	W
12770	39	30	10	*1

*1	Pin/O-Ring=A21/B21	→P271

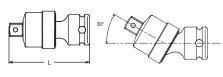
	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	Ѡ
12233A	Hole	1/4"	3/8"	22	15	10	*1
12233A-B	Ball	1/4"	3/8"	22	15	10	*1
12233A-P	Pin	1/4"	3/8"	22	15	10	*1

\*1 Pin/O-Ring=A21/B21 -> P271













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\*1 \*1

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\*2

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\*2



## 13400M · 13400A O 6-point Sockets Vasos Hexagonales



13400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

<sup>1</sup> C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P270-271 \*1 C-Ring=C31, Pin/O-Ring=A31/B31

(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	(V)			
6	10.8	19	5	32	40	10	*1			
7	12	19	5	32	40	10	*1			
8	13.3	19	6	32	40	10	*1			
9	14.5	19	7	32	40	10	*1			
10	15.8	19	7	32	40	10	*1			
11	17	19	8	32	41	10	*1			
12	18.3	19	9	32	43	10	*1			
13	19.5	22	10	32	56	10	*2			
14	20.8	22	10	32	56	10	*2			
15	22	22	11	32	56	10	*2			
16	23.3	22	11	32	57	10	*2			
17	24.5	22	12	32	60	10	*2			
18	25.8	22	12	32	62	10	*2			
19	27	22	12	32	67	10	*2			
20	28.3	22	12	32	70	10	*2			
21	29.5	22	12	32	71	10	*2			
22	30.8	22	13	32	72	10	*2			
23	32	22	13	32	75	10	*2			
24	33.3	22	13	32	78	10	*2			

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 →P270-271

RS13400M/11 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 630 RS13400M/11 Socket Set on Rail Juego de Vasos en Regleta

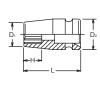




#### 13405M · 13405A (



12-point Sockets Vasos Bihexagonales





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10

10

10

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10 10

3405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

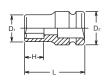
\*2 C-Ring=C32, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 \*1 C-Ring=C31, Pin/O-Ring=A31/B31

13401M • 13401A O 6-point Socket, Thin Walled Vasos Hexagonales de Pared Delgada









13401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13401M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

21.5 24 32.3 21.5 13 32 75

10

\*2



RS13401M/9 O Juliu Socket Set on Rail Juego de Vasos en Regleta





RS13401M/9	9 Pieces Set/Rail 250mm	₫Д (g)
8 10 12 13 14 17	19 21 22	505

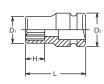
13406M · 13406A



12-point Socket, Thin Walled Vasos Bihexagonales de Pared Delgada







13406A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	$(\mathbb{U})$
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13401MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2
*4.0.0	204 B' (0	D' 404#	204				

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13401MS O 6-point Short Sockets, Thin-walled.
Vasos Hexagonales de Pared Delgada, Short







RS13401MS/11 O Socket Set on Rail Juego de Vasos en Regleta



RS13401MS/11 11 Pieces Set/Rail 300mm	₫Д (g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	400

## 13400MG · 13400AG (49)

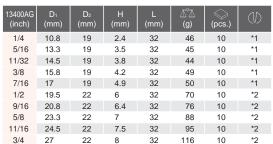
MACNET



6-point Sockets with Magnet Vasos Hexagonales con Imán



G	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>¼</u> (g)	(pcs.)	(D)
	10.8	19	2.4	32	46	10	*1
	12	19	2.8	32	45	10	*1
	13.3	19	3.5	32	45	10	*1
	14.5	19	3.8	32	44	10	*1



<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	⊕ ⊕ (g)	(pcs.)	(D)
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32
→P270-271

4044014	_				<b>L</b> A		
13410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	(mm)	(g)	(pcs.)	W
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

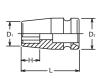
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

SURFACE DRIVE





Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)

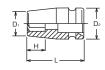




13465M Pathfinder Sockets Vasos Pathfinder (Guía)









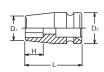
13465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

# 







13460M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

#### 13460MG · 13460AG



Sockets with Magnets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes







13460MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

13425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E11	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13425EG (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

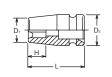
13425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	ധ
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13425-EPRL (EPRL)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	ℂ
10EPRL	12.2	19	6.2	32	44	10	*1
12EPRL	14.2	19	7.2	32	44	10	*1
14EPRL	17.2	19	8.1	32	46	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

# 13425 O TORX® Sockets Vasos TORX®



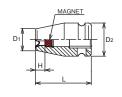


13425EG



TORX® Sockets with Magnet Vasos TORX® con Imán





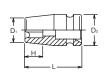


13425-EPL ()



TORXPLUS® Sockets Vasos TORXPLUS®

TORX Please



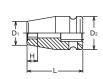


### 13425-EPRL ()



Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable

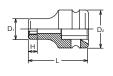






13401LH C LHS Sockets Vasos LHS





13401LH (LH-S)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
88	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

→P270-271

*1 C-Ring=C31,	Pin/O-Ring=A31/B31	ø
*2 C-Ring=C32.	Pin/O-Ring=A32/B32	h

LHSTIX® ———									
	LH-	S	LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S <sub>2</sub>	S <sub>1</sub>	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
	S <sub>2</sub>	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0
S1									

#### 13400-WN Weld Nut Sockets







13400-WN	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

─ WN	
	s
	<u></u>

	V	/N	6WN	8WN	9WN	10WN	12WN	14WN	17WN
3	S	(ref. mm)	6	8	9	10	12	14	17

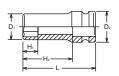


13301X O 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de Pared Delgada









13301X (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
6	9.8	18.5	6	36.5	50	35	10	*1
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	21.5	15	35.5	50	75	10	*2
16	22.3	21.5	16	35.5	50	78	10	*2
17	23.5	21.5	17	35.5	50	82	10	*2
18	24.8	21.5	18	34.5	50	86	10	*2
19	26	21.5	19	34.5	50	93	10	*2
21	28.5	21.5	21	34.5	50	104	10	*2
22	29.8	21.5	22	33.5	50	110	10	*2
23	31	21.5	23	33.5	50	115	10	*2
24	32.3	21.5	24	32.5	50	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271



RS13301X/9 9 Pieces Set/Rail 250mm	₫Д (g)
8, 10, 12, 13, 14, 17, 19, 21, 22	710



# 13300XG MG

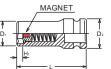
Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д∑ (g)	(pcs.)	(D)
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

MAGNET	
	1
	<b>√</b>
<-H₂→	

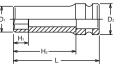


### 13300M · 13300A



6-point Sockets, Deep Vasos Hexagonales Largos





13300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13301M · 13301A



6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada





1					1
V		/////			
	<del>&lt;'''&gt;</del>	— H2 —	>		
	<		L —	>	1

13301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2
*1 C-Ping-0	224 Din/C	Ding_A2	1/D24					

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32
→P270-271

13300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2
23	31.9	22	23	63.5	80	238	10	*2
24	33.2	22	24	63.5	80	242	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2
24	32.3	21.5	24	63.5	80	216	10	*2

12-point Sockets, Deep Vasos Bihexagonales Largos 13305M ()



1	
D <sub>1</sub>	D <sub>2</sub>
< H₁→ < H₂————————————————————————————————————	_
<b>←</b> L —	>

13305M \*1 \*1 8 13.3 19 8 66.5 80 82 10 10 15.8 19 10 66.5 80 94 10 110 \*1 11 17 19 11 66.5 80 10 12 18.3 19 12 66.5 80 111 10 \*1 \*2 13 19.5 22 13 66.5 80 138 10 14 20.8 22 14 66.5 80 148 10 \*2 \*2 17 24.5 22 17 65.5 80 168 10

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

→P270-271

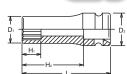
13306M (



12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada







13306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

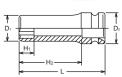
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13310M



Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos







13310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

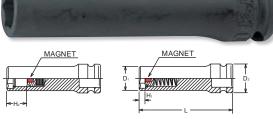




Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo









13300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(V)
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

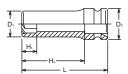
\*1 C-Ring=C31, Pin/O-Ring=A31/B31
→P270-271 \*2 C-Ring=C32, Pin/O-Ring=A32/B32





Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos







13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

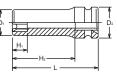
3/8" Impa

13325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	71	10	*1
E10	12.2	19	8.2	66.5	80	70	10	*1
E12	14.2	19	9.3	66.5	80	80	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	115	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 P270-271

# **13325** O TORX® Deep Sockets Vasos TORX® Largos





# TORX® (E)



	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
	(ref. mm)																		
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

	13440M (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
	10	15.8	5	57	135	10	*2
	11	17	6	57	135	10	*2
	12	18.3	6	57	135	10	*2
	13	19.5	6	57	135	10	*2
	14	20.8	7	59	140	10	*2
	15	22	7	59	140	10	*2
	16	23.3	8	59	140	10	*2
	17	24.5	8	59	140	10	*2
	18	25.8	9	61	150	10	*2
	19	27	10	61	153	10	*2
	20	29.5	10	61	157	10	*2
۰	21	30.7	14	66	205	10	*2
	22	32	13	61	210	10	*2
•	24	34.5	13	63	236	10	*2

	13440A (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
	3/8	15.8	5	57	135	10	*2
	7/16	17	6	57	135	10	*2
	1/2	19.5	6	57	135	10	*2
	9/16	20.8	7	59	140	10	*2
•	5/8	23.3	8	59	140	10	*2
	11/16	24.5	8	59	140	10	*2
	3/4	27	10	61	153	10	*2

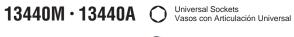
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13440T (E)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13430M (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
5	24	15	74	135	10	*2
6	24	15	74	135	10	*2
8	24	20	74	140	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271





# 13440T O TORX® Universal Sockets Vasos TORX® con Articulación Universal





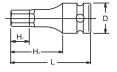


13012M-52



Inhex Sockets Vasos con Punta Hexagonal



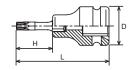


13025-50 · -90



TORX® Bit Sockets Vasos con Punta TORX®





13025.50 (T)	D (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)	(1)
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32
→ P270-271

Socket Set on Rail Juego de Vasos en Regleta

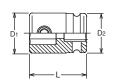




13134 O Impact Bit Holder Porta-punta de Impacto





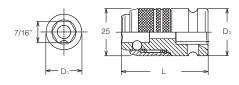




13142-F11.2 O Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)







13012M.52 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	W
3	18	10	34	52	33	10	*1
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
13	21	15.5	34	52	85	10	*2
14	21	15.5	34	52	92	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C32, Pin/O-Ring=A32/B32

13025.90 (T)	D (mm)	H (mm)	L (mm)	Д́Д (g)	(pcs.)	(D)
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

RS13025/8-L50	8 Pieces Set/Rail 200mm	₫Д (g)
T20, T25, T27, T3	80, T40, T45, T50, T55	380

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫'∐ (g)	(pcs.)	(1)
13134	24	22	32	70	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13134-SC



Replacement Screw : M8x6, 4mm

For DIN3126 / ISO1173 E11.2 Bits





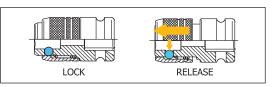
	D <sub>1</sub>	D <sub>2</sub>	L ()	₫Z	(S)	(D)
	(mm)	(mm)	(mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 -> P270-271

For DIN3126 / ISO1173 E11.2 Bits







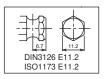


You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

ACCESSORIES SCREWDRIVERS IMPACT SLEEVE-DRIVE INDUSTRIAL PROTECTOR AUTOMOTIVE CONSTRUCTION RENEWALKITS ACCESORIOS DESTORNILLADORES DE IMPACTO INDUSTRIALES PROTECTORES CONSTRUCCIÓN JUEGOS DE REZAS REPUESTO









183H.35 (mm)	L (mm)	₫Д (g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	1
14	35	35	10	1
16	35	47	10	$\triangle$
17	35	50	10	$\overline{\Lambda}$
18	35	53	10	1
19	35	56	10	1
10011.05		F <sup>©</sup> 3	<u> </u>	ı

183H.35 (inch)	L (mm)	₫Д (g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	$\triangle$

183H.75 (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

The items with harmonia have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

# 183H-75B · -150B



Ball point Hex Bits Puntas Hexagonales con bola



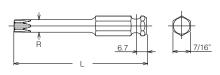
183H.75B (mm)	L (mm)	R (mm)	₫¼ (g)	(pcs.)	
6B	75	5.7	39	10	
8B	75	7.7	44	10	
10B	75	9.7	49	10	
12B	75	11.7	72	10	

183H.150B (mm)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
6B	150	5.7	65	10	
8B	150	7.7	71	10	
10B	150	9.7	92	10	
12B	150	11.7	135	10	

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

TORX® Bits Puntas TORX® 183T-35 ⋅ -75 ⋅ -150 (T) **●** 



183T.35 (T)	L (mm)	₫∄ (g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	1





183T.75 (T)	L (mm)	R (mm)	Д¯Д (g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10 🗸

T30 150 6 50 10 T40 150 6.9 58 10 T45 150 70 10 8 T50 150 9 82 10 T55 150 11.4 113 10 T60 150 13.5 148 10

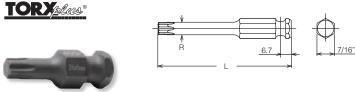
The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

183T-35 ⋅ -75 (IP)







(IP)	(mm)	(g)	(pcs.)	
30IP	35	18	10	
40IP	35	20	10	
45IP	35	22	10	
50IP	35	26	10	
55IP	35	30	10	
60IP	35	38	10	1



183T.75 (IP)	L (mm)	R (mm)	₫Д (g)	∭ (pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	1

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

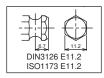
183X-35 · -75 · -150 (XZN)





183X-35 (XZN)	L (mm)	<b>△</b> △ (g)	(pcs.)	
M 4	35	18	10	
M 5	35	18	10	
M 6	35	20	10	
M 8	35	22	10	
M10	35	26	10	
M12	35	30	10	
M14	35	38	10	





183X-75 (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	₫∄ (g)	∭ (pcs.)	
M 5	150	6	50	10	
M 6	150	6.2	53	10	
M 8	150	7.4	64	10	
M10	150	9.8	93	10	
M12	150	11.7	121	10	
M14	150	13.5	151	10	⚠

The items with ⚠ have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

13134M-52/-92 (mm)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(1)
3	22	20	60	6	85	104	10	*2
4	22	20	60	6	85	105	10	*2
5	22	20	60	6.5	85	106	10	*2
6	22	20	60	7.5	88	109	10	*2
7	22	20	60	8.5	89	114	10	*2
8	22	20	60	9.5	90	117	10	*2
10	22	20	60	-	96	127	10	*2
12	22	20	60	_	100	135	10	*2
14	22	20	60	-	105	149	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13134M-52 · -92	Hex Bit Sockets Vasos con Punta Hexagonal
H 52/92	
	\$ Modern

13134T-52/-92 (T)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(1)
T25	22	20	60	6	88	103	10	*2
T30	22	20	60	6	88	105	10	*2
T40	22	20	60	6.9	90	107	10	*2
T45	22	20	60	8	92	111	10	*2
T50	22	20	60	9	96	115	10	*2
T55	22	20	60	11.4	100	125	10	*2
T60	22	20	60	13.5	108	137	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

101041 02 32 (1)	Vasos con Punta TORX®
H — 52/92 — 52/92	
	140 SBGO

13134T-52 - -92 (T) TORX® Bit Sockets

13134T-52/-92 (IP)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(1)
30IP	22	20	60	6	88	105	10	*2
40IP	22	20	60	6.8	90	107	10	*2
45IP	22	20	60	8	92	111	10	*2
50IP	22	20	60	9	96	115	10	*2
55IP	22	20	60	11.4	100	126	10	*2
60IP	22	20	60	13.5	108	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13134T-52 · -92 (IP)	TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®
H 52/92	
	Sale of July 1

13134X-52/-92 (XZN)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(D)
M 5	22	20	60	6	88	104	10	*2
M 6	22	20	60	6.2	90	106	10	*2
M 8	22	20	60	7.4	92	109	10	*2
M10	22	20	60	9.8	96	124	10	*2
M12	22	20	60	11.7	100	129	10	*2
M14	22	20	60	13.5	108	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271



### 13145M-100 · -150 · -200 · -250

Extra Long Sockets Vasos Extra-Largos





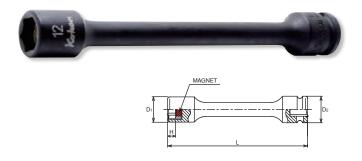
13145M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>Ђ</u> (g)	(pcs.)	(1)
6	10.8	19	6	250	167	5	*1
8	13.3	19	8	250	172	5	*1
10	15.8	19	10	250	182	5	*1
12	18.3	19	12	250	190	5	*1
13	19.5	19	13	250	199	5	*1
14	20.8	19	14	250	208	5	*1
15	22	19	15	250	217	5	*1
17	24.5	19	17	250	225	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

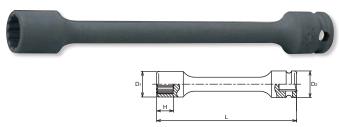
### 13145MG-100 · -150 · -200

Extra Long Sockets with Magnet Vasos Extra-Largos con Imán





# 13145M-100 (12P) · -150 (12P) · -200 (12P) Stata Long 12-point Sockets Vasos Bihexagonales, Extra-Largos



13145M.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

13145M.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

13145M.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13145MG.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(V)
8	13.3	19	3.5	100	90	5	*1
10	15.8	19	4.2	100	93	5	*1
12	18.3	19	5.6	100	105	5	*1
13	19.5	19	6	100	115	5	*1
14	20.8	19	6.4	100	120	5	*1

13145MG.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
8	13.3	19	3.5	150	120	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1
17	24.5	19	7.5	150	170	5	*1

13145MG.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
10	15.8	19	4.2	200	182	5	*1
12	18.3	19	5.6	200	190	5	*1
13	19.5	19	6	200	208	5	*1
14	20.8	19	6.4	200	225	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

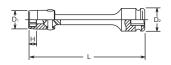
13145M.100 (12P) (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

13145M.150 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

13145M.200 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1

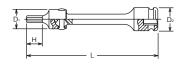
<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

# Impact Sockets

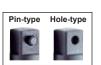


13146M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
8	12	19	6	150	128	5	*1
10	14.3	19	7	150	131	5	*1
12	18	19	8	150	133	5	*1
13	19.3	19	8.5	150	132	5	*1
14	20	19	9	150	132	5	*1

13146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1



13147M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1



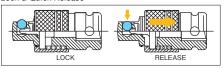


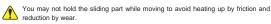
	TYPE	D (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)	W
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

	L (mm)	Д¯Д (g)	(pcs.)	(D)
13333AL	45	62	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

Lock & Quick Release





#### 13146M-150 · -200 · -250

Extra Long Universal Sockets Vasos Extra Largo con Articulación Universal



13146M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

#### 13147M-150 · -200

Extra Long Universal Inhex Sockets Vasos Inhex Extra Largos con Articulación Universal



13147M.200 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13760 13760-P Extension Bars Alargaderas

•	

	TYPE	D (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2
13760-300P	Pin	22	300	310	5	*2

<sup>\*2</sup> C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

13333AL

LOCKING ADAPTOR

Adaptor (Quick Release) Adaptador (Extracción Rápida)







1333WA Universal Adaptor 🔨







13770

Universal Joint Articulatión Universal





13771

Universal Joint Articulatión Universal







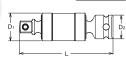
# 13772

Universal Double Joint Articulación Universal

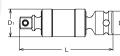
Adaptor Adaptador











#### 13400M-10 + 13333WA





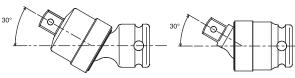
	D (mm)	L (mm)	Д¯Д (g)	(pcs.)	W
13333WA	19	35	36	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

	TYPE	L (mm)	₫Д (g)	(pcs.)	W
13770	Hole	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770-P	Pin	56	110	10	*2
13771	Hole	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771-P	Pin	48	92	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 -> P270-271



	-
P-type	B-type
0	0
DIN 3121	
Form E	

	TYPE	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
13772-B	Ball	22	19	75	120	5	*1
13772-P	Pin	22	19	75	120	5	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫ <sup>™</sup> Д (g)	(pcs.)	(D)
13322A	Hole	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A-P	Pin	3/8"	1/4"	27	25	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

Adapting down from bigger square drive to smaller square drive may lead to of the smaller square drive.

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(D)
13344A	Hole	3/8"	1/2"	32.5	53	10	*2
13344A-B	Ball	3/8"	1/2"	32.5	53	10	*2
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

#### 13344A

13322A

Adaptor Adaptador



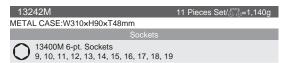


13242M



Socket Set Juego de Vasos

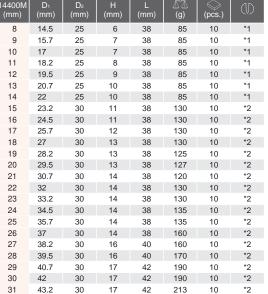




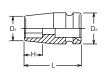
#### 14400M · 14400A (



6-point Sockets Vasos Hexagonales









14400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(V)
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

44.5

45.7

48.2

49.5

55.7

→P270-271

\*2

\*2

\*2

\*2

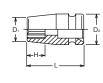
\*2

\*2

## 14405M · 14405A



12-point Sockets Vasos Bihexagonales





14405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	Ѡ
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 →P270-271 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14405M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∆ (g)	(pcs.)	(D)
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P270-271 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

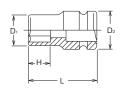
<sup>→</sup>P270-271

14401M • 14401A O 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada





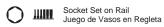




14401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	₩
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401M/10





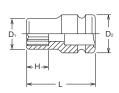


14406M • 14406A O 12-point Sockets, Thin Walled Vasos Bihexagonales de Pared Delgada









14406A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14401M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401M/10 10 Pieces Set/Rail 300mm	Д¯Д (g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27	1,010

14406M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

thin 14401MS (



6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short





\*1 C-Ring=C41, Pin/O-Ring=A41/B41

10

12

13

14

15

16

17

18

19

21

22

24

27

18

19.2

20.5

21.7

23

24.2

25.5

26.7

29.2

30.5

33

36.7

29 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401MS/10 10 F	ieces Set/Rail 300mm	₫∄ (g)
10, 12, 13, 14, 17, 19, 21,	22, 24, 27	740

H (mm)

4.5

5.5

6.5

6.5

7.5

7.5

7.5

7.5

9.5

10

10

10

10

23

24

25

25

26

26

26

26

28

28.5

28.5

28.5

28.5

24

24

24

24

29

29

29

29

29

29

29

29

(g)

41

43

43

70

73

76

78

79

79

84

87

100

10

10

10

10

10

10

10

10

10

10

10

\*2

\*2

\*2

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\*2

\*2

\*2

\*2

\*2



\*(thin RS14401MS/10



Socket Set on Rail Juego de Vasos en Regleta

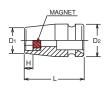




14400MG



6-point Sockets with Magnet Vasos Hexagonales con Imán





14400MG (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	(1)
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

()	()	(	()	()	(9)	(500.)	
10	17	25	7	38	86	10	*1
11	18.2	25	8	38	86	10	*1
12	19.5	25	9	38	86	10	*1
13	20.7	25	10	38	86	10	*1
14	22	25	10	38	86	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	126	10	*2
19	28.2	30	13	38	126	10	*2
20	29.5	30	13	38	125	10	*2
21	30.7	30	14	38	125	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	135	10	*2
24	34.5	30	14	38	136	10	*2
25	35.7	30	14	38	140	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	166	10	*2
29	40.7	30	17	42	185	10	*2
30	42	30	17	42	200	10	*2
31	43.2	30	17	42	210	10	*2
32	115	30	18	12	210	10	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41

47

49.5

34

36

30 →P270-271 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

30

19

20

46

46

255

275

5

5

\*2

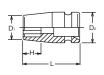
\*2







Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)





## **SURFACE DRIVE**

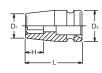
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto c<mark>urvo</mark> se diseñan para mantener <mark>el c</mark>ontacto con las caras planas de la tuerca y tran<mark>sm</mark>itir un alto par reduciendo el <mark>de</mark>sgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

#### Pathfinder Sockets Vasos Pathfinder (Guía) 14465M ()





## **PATHFINDER®**

The beveled flats of the 6-point opening of the PATHFINDER socket

engage the nut almost immediately.

PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biselad<mark>as d</mark>e la boca hexagon<mark>al d</mark>el vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.



14465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

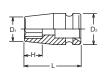
\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

#### 14415M ()



Double Square Sockets Vasos Octagonales





14415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
14	25.7	30	10	38	138	10	*2
15	27	30	11	38	145	10	*2
16	29.5	30	11	38	150	10	*2
17	30.7	30	12	38	155	10	*2
18	32	30	13	38	165	10	*2
19	33.2	30	14	38	170	10	*2
22	38.2	30	14	40	185	10	*2
24	42	30	14	42	215	10	*2
27	45.7	30	16	46	278	5	*2
28	47	30	16	46	285	5	*2
29	49.5	30	17	46	326	5	*2

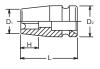
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 > P270-271

#### 14425



TORX® Sockets Vasos TORX®





14425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

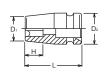
\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42
→P270-271

14425-EPL O TORXPLUS® Sockets Vasos TORXPLUS®



TORXALUS®





14425-EPL (EPL)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
10EPL	14.2	25	6.2	38	86	10	*1
12EPL	15.2	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	19.2	25	9.1	38	88	10	*1
18EPL	22.2	25	10.2	38	90	10	*1
20EPL	24.2	30	11.2	38	135	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41

\*2 C-Ring=C42, Pin/O-Ring=A42/B42

D<sub>2</sub> (mm) ₫∄ (g) 8WN 18.3 25 38 93 9WN 19.5 25 9 38 10WN 20.8 25 10 38 92 10 12WN 24.5 30 12 38 139 \*2 10 14WN 27 30 14 38 136 10 \*2 17WN 32 30 17 40 150 10

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

#### 14400-WN Weld Nut Sockets





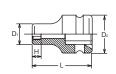
1W	٧	6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

14401LH C LHS Sockets Vasos LHS



14401LH (LH-S)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	$(\mathbb{D})$
6S	13	25	5.6	38	65	10	*1
88	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A41/B42





#### **LHSTIX®**



LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S <sub>1</sub>	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S <sub>2</sub>	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

14301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)	W
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2
*1 C-Ping-	C/11 Din/C	-Ping-A4	1/R/11					

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42
→P270-271

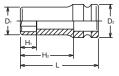
RS14301X/10	10 Pieces Set/Rail 300mm	₫∄ (g)
10, 12, 13, 14, 17, 19,	21, 22, 24, 27	1,585



14301X O 6-point Sockets, Semi-Deep Vasos Hexagonales Madianos de pared Delgada











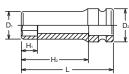
Socket Set on Rail TITILI Juego de Vasos en Regleta





14300M • 14300A O 6-point Deep Sockets Vasos Hexagonales Largos





14300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	366	10	*2
1. 1/8	40.7	30	29	63	85	401	10	*2
1. 3/16	42	30	30	63	85	421	10	*2
1. 1/4	44.5	30	32	63	85	458	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42



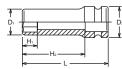
14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	366	10	*2
28	39.5	30	28	64	85	387	10	*2
29	40.7	30	29	63	85	401	10	*2
30	42	30	30	63	85	421	10	*2
31	43.2	30	31	63	85	437	10	*2
32	44.5	30	32	63	85	458	10	*2
33	45.7	30	33	62	85	479	2	*2
34	47	30	33	62	85	496	2	*2
35	48.2	30	35	62	85	523	2	*2
36	49.5	30	36	61	85	534	2	*2
38	52	30	38	60	85	591	2	*2
41	55.7	30	38	60	85	634	2	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42









14301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
5/16	13	24	8	62	80	87	10	*1
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1	34.2	29	25	65	85	282	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14306M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	105	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	290	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

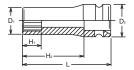
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14310M	D <sub>1</sub>	D <sub>2</sub>	H <sub>1</sub>	H <sub>2</sub>	L (20.00)	<u> </u>	$  \diamondsuit \rangle$	(D)
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

#### 12-point Deep Sockets Vasos Bihexagonales Largos 14305M (





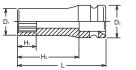
#### 14306M (



12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada







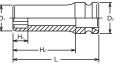
## 14310M



Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos







## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

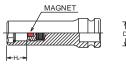
14300G MG



Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo







MAGNET	
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WANNA AND THE RESERVE TO THE RESERVE	D₂ ↓
→ F	



14300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(I)
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

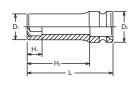
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14365M



Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos





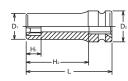


14365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

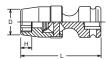
TORX® Deep Sockets Vasos TORX® Largos





14440M • 14440A O Universal Sockets Vasos con Articulación Universal





14325 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

14440M (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
13	20.7	6	67.5	210	5	*2
14	22	7	69.5	210	5	*2
15	23.2	7	69.5	210	5	*2
16	24.5	8	69.5	206	5	*2
17	25.7	8	69.5	220	5	*2
18	27	9	69.5	218	5	*2
19	28.2	10	73.5	260	5	*2
20	29.5	10	73.5	270	5	*2
21	30.7	11	73.5	280	5	*2
22	32	13	73.5	290	5	*2
24	34.5	14	75.5	300	5	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
1/2	20.7	6	67.5	210	5	*2
9/16	22	7	69.5	210	5	*2
5/8	24.5	8	69.5	206	5	*2
11/16	25.7	8	69.5	220	5	*2
3/4	28.2	10	73.5	260	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P270-271

15.5 15.5 15.5 15.5 \*2 15.5 \*2 15.5 \*2 15.5 15.5 \*2 \*2 15.5 15.5 \*2 15.5 \*2 

\*1 C-Ring=C41, Pin/O-Ring=A41/B41

	J - /				⇒ P270-271
	D: O 40	D' 10	D1	40/D 40	P1 210 211
Ľ	<ul><li>-Ring=C42,</li></ul>	PIN/O	-Kina=A	42/842	

RS14012M/10-L60	10 Pieces Set/Rail 300mm	₫Д (g)
4, 5, 6, 7, 8,	10, 12, 14, 17, 19	1,300

14025.60 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14025/6-L60	6 Pieces Set/Rail 200mm	₫∄ (g)
T30, T40, T45,	T50, T55,T60	650

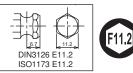
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
14134	24	25	38	90	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

13134-SC



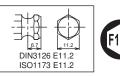
For DIN3126 / ISO1173 E11.2 Bits

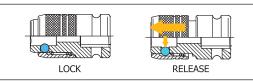


	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	W
14142-F11.2	18.9	25	46	207	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

DIN3126 / ISO1173 E11.2 Bits



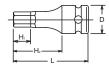




You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

#### 14012M-60







RS14012M/10-L60

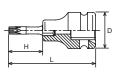
Socket Set on Rail
Juego de Vasos en Regleta



**14025-60 · -100** 



TORX® Bit Sockets Vasos con Punta TORX®





14025.100 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

RS14025/6-L60 Socket Set on Rail Juego de Vasos er



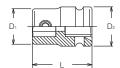
Juego de Vasos en Regleta





Impact Bit Holder Porta-punta de Impacto







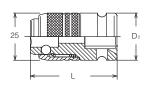
14142-F11.2



Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)

















183H.3 (mm)	i5	L (mm)	₫Д (g)	(pcs.)	
3		35	15	10	
4		35	15	10	
5		35	15	10	
6		35	18	10	
7		35	19	10	
8		35	20	10	
9		35	23	10	
10		35	26	10	
11		35	28	10	
12		35	30	10	
14		35	35	10	<u>^</u>
16		35	47	10	
17		35	50	10	
18		35	53	10	
19		35	56	10	
183H.3	15	L	ΔÃ	無	1
(inch)		(mm)	(g)	(pcs.)	
3/16		35	15	10	1
7/32		35	16	10	
1/4		35	18	10	
5/16		35	20	10	
3/8		35	26	10	
0,0			_0	. •	

183H.75 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	ДД (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	-	136	10	4

The items with harmonia have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

183H-75B ⋅ -150B ●

35

7/16

1/2



28

38

Ball point Hex Bits Puntas Hexagonales con bola

10

10

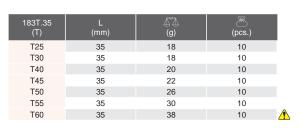


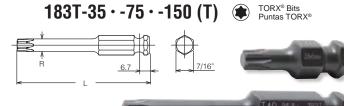
DIN3126 E11.2 ISO1173 E11.2
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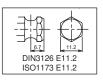
183H.75B (mm)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
6B	75	5.7	39	10	
8B	75	7.7	44	10	
10B	75	9.7	49	10	
12B	75	11.7	72	10	1

183H.150B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
6B	150	5.7	65	10	
8B	150	7.7	71	10	
10B	150	9.7	92	10	
12B	150	11.7	135	10	1

The items with  $\triangle$  have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.









183T-35 ⋅ -75 (IP)

TORXALAS®

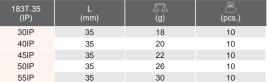
183T.75 (T)	L (mm)	R (mm)	ДД (g)	(pcs.)	
T25	75	6	33	10	
T27	75	6	33	10	
T30	75	6	35	10	
T40	75	6.9	37	10	
T45	75	8	41	10	
T50	75	9	45	10	
T55	75	11.4	55	10	
T60	75	13.5	67	10	1

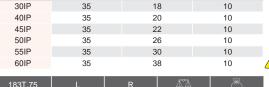
183T.150 (T)	L (mm)	R (mm)	ДД (g)	(pcs.)	
T30	150	6	50	10	
T40	150	6.9	58	10	
T45	150	8	70	10	
T50	150	9	82	10	
T55	150	11.4	113	10	
T60	150	13.5	148	10	

TORXPLUS® Bits Puntas TORXPLUS®

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

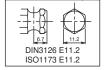


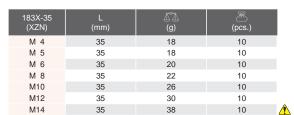


R 6.7	7/16"	
		Michael 1837 Part It areas 217

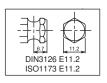
(IP)	(mm)	(mm)	(g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	1

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.









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	<b>₽</b> ♥₩	Ŵ			x-∇-3	907

183X-75 (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	1

)
1

The items with 1 have larger output size than 7/16" input hex drive. The items with have larger output size than 1710 importion and Due to this design the Maximum output torque rating is less than standards.

 $\label{torus} \textbf{TORX}^\circ \text{ is a registered trademark of CAMCAR Innovations}^\circ. \\ \textbf{TORX}^\circ \text{ es una marca registrada de CAMCAR Innovations}^\circ.$ 



14134M-58/-98 (mm)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
3	25	20	60	6	105	124	10	5	*1
4	25	20	60	6	105	125	10	5	*1
5	25	20	60	6.5	105	126	10	5	*1
6	25	20	60	7.5	108	129	10	5	*1
7	25	20	60	8.5	109	134	10	5	*1
8	25	20	60	9.5	110	137	10	5	*1
10	25	20	60	-	116	147	10	5	*1
12	25	20	60	-	120	155	10	5	*1
14	25	20	60	-	125	169	10	5	*1

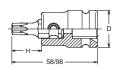
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14134T-58 · -98 (T)



TORX® Bit Sockets Vasos con Punta TORX®







14134T-58/-98 (T)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
T25	25	20	60	6	108	123	10	5	*1
T30	25	20	60	6	108	125	10	5	*1
T40	25	20	60	6.9	110	127	10	5	*1
T45	25	20	60	8	112	131	10	5	*1
T50	25	20	60	9	116	135	10	5	*1
T55	25	20	60	11.4	120	145	10	5	*1
T60	25	20	60	13.5	128	157	10	5	*1

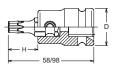
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14134T-58 · -98 (IP)



TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®







ı	14134T-58/-98 (IP)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
	30IP	25	20	60	6	108	125	10	5	*1
	40IP	25	20	60	6.8	110	127	10	5	*1
	45IP	25	20	60	8	112	131	10	5	*1
	50IP	25	20	60	9	116	135	10	5	*1
	55IP	25	20	60	11.4	120	146	10	5	*1
	60IP	25	20	60	13.5	128	159	10	5	*1

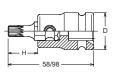
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14134X-58 · -98 (XZN)



XZN Bit Sockets Vasos con Punta XZN







14134X-58/-98 (XZN)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
M 5	25	20	60	6	108	124	10	5	*1
M 6	25	20	60	6.2	110	126	10	5	*1
M 8	25	20	60	7.4	112	129	10	5	*1
M10	25	20	60	9.8	116	144	10	5	*1
M12	25	20	60	11.7	120	149	10	5	*1
M14	25	20	60	13.5	128	159	10	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

L (mm) 14106 28 30 43 160

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

Replacement Screw : M6x8, @3mm

1/2

9/16

5/8

3/4

107.16 (mm)	L (mm)	₫₫ (g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	1
18	40	78	10	
19	40	80	10	
22	40	97	10	
407.40		r <sup>5</sup> 7.	深	
107.16 (inch)	L (mm)	Д́Д (g)	(pcs.)	
3/8	40	45	10	
7/16	40	53	10	

107.16(L100) (mm)	L (mm)	R (mm)	Д <sup>™</sup> Д (g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	-	163	10	
17	100	-	185	10	
19	100	-	228	10	
22	100	_	293	10	

56

60

69

80

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40

107.16 (T)	L (mm)	<b>₽</b> Z (g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

107.16 (IP)	L (mm)	ДД (g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107.16 (XZN)	L (mm)	₫Д (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10
			1 100

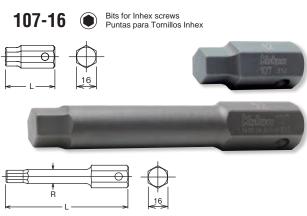
107.16(L100) (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

The items with ⚠ have larger output size than 16mm input hex drive.

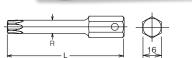
Due to this design the Maximum output torque rating is less than standards.

**TORX**\* is a registered trademark of **CAMCAR Innovations**\*. **TORX**\* es una marca registrada de **CAMCAR Innovations**\*. TOR years is a registered trademark of CAMCAR Innovations. TOR years es una marca registrada de CAMCAR Innovations.

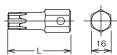












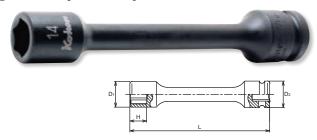






#### 14145M-100 · -150 · 200 · -250

Extra Long Sockets
Vasos Bihexagonales, Extra-Largos

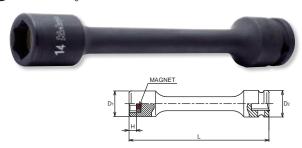


14145M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∄ (g)	(pce.)	W
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

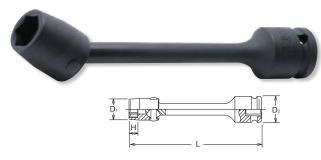
### 14145MG-150 · -200

MG Extra Long Sockets with Magnet Vasos Extra-Largos con Imán



#### 14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos



14146M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 -> P270-271

(mm) (mm	) (mm)	(mm)	(mm)	(g)	(pce.)	(V)
10 17	25	10	100	155	1	*1
12 19.5	25	12	100	165	1	*1
14 22	25	14	100	180	1	*1
17 25.7	25	17	100	210	1	*1
19 28.2	25	19	100	230	1	*1

14145M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	Ѡ
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14145MG.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	W
10	17	25	4.2	150	195	1	*1
12	19.5	25	5.6	150	210	1	*1
14	22	25	6.4	150	230	1	*1
17	25.7	25	7.5	150	266	1	*1

14145MG.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
10	17	25	4.2	200	240	1	*1
12	19.5	25	5.6	200	254	1	*1
14	22	25	6.4	200	275	1	*1
17	25.7	25	7.5	200	313	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14146M.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(I)
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	ⅆ
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

14147M.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

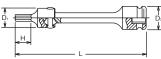
14147M.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

#### 14147M-150 · -200

Extra Long Universal Inhex Sockets Vasos Inhex con Articulación Universal Extra-Largos





	TYPE	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	⇒ (pcs.)	(D)
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2
14760-300	Hole	30	300	560	1	*2

	TYPE	D (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
14760-50P	Pin	30	50	150	10	*2
14760-75P	Pin	30	75	188	10	*2
14760-100P	Pin	30	100	240	10	*2
14760-125P	Pin	30	125	275	5	*2
14760-150P	Pin	30	150	300	5	*2
14760-175P	Pin	30	175	358	5	*2
14760-200P	Pin	30	200	405	5	*2
14760-250P	Pin	30	250	480	1	*2
14760-300P	Pin	30	300	560	1	*2

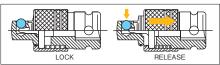
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 P270-271



	L (mm)	∆~∆ (g)	(pcs.)	W
14444AL	60	128	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271





You may not hold the sliding part while moving to avoid heating up by friction and

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pcs.)	(D)
14466AL	1/2"	3/4"	75	460	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271













Adaptor (Quick Release) Adaptador (Extracción Rápida)







Adaptor (Quick Release) Adaptador (Extracción Rápida)







### 14444WA Universal Adaptor 1







### 14770

Universal Joint Articulación Universal





#### 14771

Universal Joint Articulación Universal





#### 14772

Universal Double Joint Articulación Universal







Adaptor Adaptador

Adaptor Adaptador







# 14455A

14466A





#### 14400M-14 + 14444WA





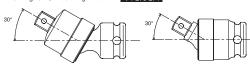
	D (mm)	L (mm)	₫₫ (g)	(pcs.)	W
14444WA	25	47	83	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

	TYPE	L (mm)	₫∄ (g)	(pcs.)	(V)
14770	Hole	74	210	5	*2
14770-B	Ball	74	210	5	*2
14770-P	Pin	74	210	5	*2
14771	Hole	65	198	5	*2
14771-B	Ball	65	198	5	*2
14771-P	Pin	65	198	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271



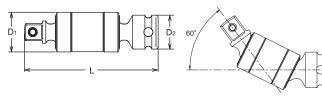




	TYPE	D₁ (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
14772-B	Ball	27	25	90	230	5	*1
14772-P	Pin	27	25	90	230	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P270-271

13772 and 14772 have less load capacity than standard. In the interest of your safety 13772 and 14772 ... always use properly.



P-type	B-type
10	
DIN 3121 Form E	

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	(D)
14433A	Hole	1/2"	3/8"	37.5	68	10	*1
14433A-B	Ball	1/2"	3/8"	37.5	68	10	*1
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	(V)
14455A	Hole	1/2"	5/8"	42	135	10	*2
	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	Ѿ
14466A	TYPE Hole			L (mm)		(pcs.)	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P270-271

14207M METAL CASE:W310×H90×T48mm 10 Pieces Set/ὧື =2,700g 14300M 6-pt Deep Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24, 27

14208M	13 Pieces Set/\$\tilde{\bigs_3}=3,740g
METAL CASE:W395×H90×T50mm	
Sock	kets
14300M 6-pt Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 1	9, 21, 22, 24, 27

14209M	10 Pieces Set/ὧ∄=830g
METAL CASE: W190×H59×T45mm	
Bits	Bit Holder
183H.35 Hex Bits 5, 6, 8, 10	14134 Bit Holder
107.16 Hex Bits 12, 14, 17, 19	14106 Bit Holder

14210M	18 Pieces Set/△ဩ=1,250g
METAL CASE: W310×H90×T48mm	
Bits	Bit Holder
183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	14134 Bit Holder
183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	168H-4 (40) Screwdriver

14210T	14 Pieces Set/ὧື =1,080g
METAL CASE: W310×H90×T48mm	
Bits	Bit Holder
183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	14134 Bit Holder
183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	168H-4 (40) Screwdriver

14 Pieces Set/ὧື =1,040g
Bit Holder
14134 Bit Holder
168H-4 (40) Screwdriver

14207M O Socket Set Juego de Vasos



Socket Set Juego de Vasos 14208M ()



Socket Set Juego de Vasos 14209M



14210M Socket Set Juego de Vasos



Socket Set Juego de Vasos 14210T





14241M

Socket Set Juego de Vasos





14241A 14241A-05 Socket Set Juego de Vasos









14245M-6P 14245M-12P Socket Set Juego de Vasos



\$14240M O Display Stand Expositor





14241M METAL CASE:W196×H100×T45mm 14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27 14241M-05 METAL CASE:W196×H100×T45mm 14405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14241A	12 Pieces Set/\$\tilde{\bar{a}} = 2,050g
METAL CASE:W196×H100×T45mm	
Sockets	
14400A 6-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4,	13/16, 7/8, 15/16, 1, 1.1/8
14241A-05	12 Pieces Set/\$\tilde{\bar{a}}=2,050g
METAL CASE:W196×H100×T45mm	
Sockets	
14405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4,	13/16, 7/8, 15/16, 1, 1.1/8

14242M	12 Pieces Set/\$\bar{\bar{\bar{\bar{\bar{\bar{\bar{\bar
METAL CASE:W310×H90×T48mm	
Sockets	
14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21	1, 22, 27

14245M-6P	18 Pieces Set/\$\tilde{\bar{a}} = 2,250g			
METAL CASE:W310xH90xT48mm				
Sockets	Accessories			
14400M 6-pt.Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27		14760-125 14770 A41, A42 B41, B42		
14245M-12P METAL CASE:W310×H90×T48mm		s Set/ὧ <sup>™</sup> _=2,250g		

S14240M	14400M 98 P	ieces Set/ĀT=13,690g
DISPLAY STAND:W510×	H150×T230mm	
10mm:8pcs 11mm:8pcs	15mm:7pcs	22mm:6pcs
	16mm:7pcs	23mm:6pcs
12mm:8pcs	17mm:7pcs	24mm:6pcs
13mm:8pcs 14mm:8pcs	19mm:7pcs 21mm:7pcs	27mm:5pcs

Impact Sockets

15400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

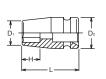
<sup>\*1</sup> Pin/O-Ring=A51/B51 -> P271



## 15400M ()



6-point Sockets Vasos Hexagonales





15400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

\*1 Pin/O-Ring=A51/B51 -> P271

#### 15400A ()



6-point Sockets Vasos Hexagonales





15410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	W
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

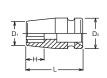




## 15410M



Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )





## **SURFACE DRIVE**

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

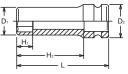
6-point Deep Sockets Vasos Hexagonales Largos 15300M ()





15300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=A51/B51 -> P271



15310M ()

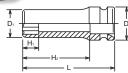
Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos





15310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	W
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=A51/B51 -> P271



15555AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)

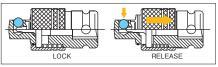






	L (mm)	Д¯Д (g)	(pce.)	(D)
15555AL	70	310	1	*1

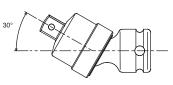
Lock & Quick Release



You may not not reduction by wear. You may not hold the sliding part while moving to avoid heating up by friction and

	L (mm)	Д¯Д (g)	(pce.)	(D)
15770	88	420	1	*1

\*1 Pin/O-Ring=A51/B51 >P271



	凹 (sq.)	凸 (sq.)	L (mm)	₫¼ (g)	(pce.)	ⅆ
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

\*1 Pin/O-Ring=A51/B51 → P271

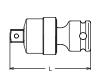
Adapting down from bigger square drive to smaller square drive may lead to Adapting down from bigger square unive to stration square unive to stration square unive to stration square unive to stration square university and excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pce.)	ⅆ
15566A	5/8"	3/4"	48	200	1	*1

\*1 Pin/O-Ring=A51/B51 -> P271

Universal Joint Articulación Universal 15770













15566A

Adaptor Adaptador





FLAT DRIVE®

₫∄ (g)

\*1

\*1

\*1

\*1

\*2

\*2

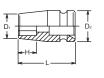
\*2

\*2 \*2

\*2

\*2

16400M • 16400A O 6-point Sockets Vasos Hexagonales





16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 9/16	58.8	44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2. 1/16	73.8	54	29	62	1011	2	*2
2. 1/8	76.3	54	29	62	1035	2	*2
2. 3/16	77.5	54	29	62	1056	2	*2
2. 1/4	80	54	32	65	1126	2	*2
2. 5/16	81.3	54	31	65	1163	2	*2
2. 3/8	83.8	54	31	65	1215	2	*2

#### 96.3 \*1 C-Ring=C61, Pin/O-Ring=A61/B61

\*2 Pin/O-Ring=A62/B62

16400M (mm)

31.3

32.5

33.8

36.3

37.5

38.8

41.3

42.5

43.8

46.3

47.5

48.8

51.3

52.5

53.8

56.3

57.5

58.8

61.3

62.5

63.8

66.3

67.5

68.8

71.3

73.8

76.3

78.8

81.3

82.5

83.8

						<b>-</b> ⊽-z		
	16405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	W
New	16	28.8	44	11	50	367	5	*1
	17	30	44	12	50	355	5	*1
	18	31.3	44	13	50	372	5	*1
	19	32.5	44	13	50	360	5	*1
	20	33.8	44	14	50	375	5	*1
	21	35	44	15	50	374	5	*1
	22	36.3	44	15	50	373	5	*1
	23	37.5	44	16	50	373	5	*1
	24	38.8	44	16	50	370	5	*1
	25	40	44	16	50	374	5	*1
	26	41.3	44	16	50	378	5	*1
	27	42.5	44	16	50	375	5	*1
	28	43.8	44	16	50	383	5	*1
	29	45	44	18	53	412	5	*1
	30	46.3	44	18	53	410	5	*1
	32	48.8	44	19	53	428	5	*1
	33	50	44	20	55	470	5	*1
	34	51.3	44	20	55	490	5	*1
	35	52.5	44	20	55	494	5	*1
	36	53.8	44	20	55	498	5	*1
	38	56.3	44	20	57	558	2	*1
	41	60	44	22	57	572	2	*1
	42	61.3	44	22	57	617	2	*1
	46	66.3	44	23	62	755	2	*1
	50	71.3	54	30	62	930	2	*2
	52	73.8	54	29	62	1011	2	*2
	55	77.5	54	29	62	1056	2	*2
	60	83.8	54	31	65	1215	2	*2
	65	90	54	30	65	1325	2	*2

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61

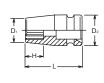
\*2 Pin/O-Ring=A62/B62

→ P270-271





12-point Sockets Vasos Bihexagonales





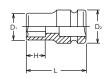
16405A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

16401M • 16401A O 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada









16401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
1. 7/8	66.8	53	23	62	868	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61
\*2 C-Ring=C61, Pin/O-Ring=A62/B62

16401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
16	26.8	43	11	50	290	5	*1
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
39	55.5	43	20	57	525	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
43	60.5	43	23	62	662	2	*1
44	61.8	43	23	62	670	2	*1
45	63	43	23	62	700	2	*1
46	64.3	43	23	62	710	2	*1

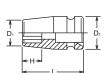
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271



**16410M** Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)







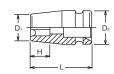
16410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

## **16425** O TORX® Sockets Vasos TORX®





**TORX**®

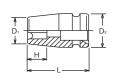
Į.		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
Ş	S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
Ş	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

16425-EPL (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(1)
24EPL	32.5	44	12.2	50	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	41.3	44	16.1	60	488	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 >P270-271

#### TORXPLUS® Sockets Vasos TORXPLUS® 16425-EPL ()







#### TORXplus® (EP/EPL)



EP/EP	'L	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S <sub>1</sub>	(ref. mm)	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	5.3	6.8	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



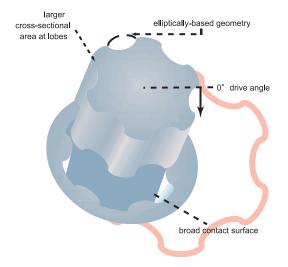












TORX\* is a registered trademark of CAMCAR Innovations\*.
TORX\* es una marca registrada de CAMCAR Innovations\*.

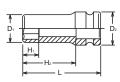
TORX66600: is a registered trademark of CAMCAR Innovations\*.
TORX66000: es una marca registrada de CAMCAR Innovations\*.



16301X O 6-point Semi-Deep Sockets, Thin Walled Vasos Hexagonales Medianos de Pared Delgada







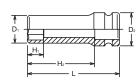
16301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	W
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	548	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

## 16300M • 16300A O 6-point Sockets, Deep Vasos Hexagonales Largos







16300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	_	100	1516	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61
\*2 Pin/O-Ring=A62/B62



16300M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	(I)
14	· ·	44	14		· ·	497	2	*1
16	26.3	44		74	100		2	*1
	28.8	44	16	74	100	524 544	2	*1
17 18	30 31.3	44	17 18	74	100 100		2	*1
		44		74		642	2	*1
19	32.5	44	19	74	100	655		*1
20 21	33.8	44	20 21	74	100 100	680 700	2	*1
	35	44		74				*1
22	36.3		22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
39	57.5	44	38	70	100	1040	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	-	100	1469	2	*2
55	77.5	54	59		100	1620	2	*2
60	83.8	54	56	-	100	1835	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61
\*2 Pin/O-Ring=A62/B62

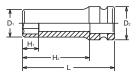
→ P270-271

### 16301M · 16301A

6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada







16301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	W
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271

16301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫ <u>¯</u> Δ (g)	(pcs.)	(D)
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
				74				*1
22	34.3	43	22		100	528	2	*1
23	35.5	43	23	74	100	542		*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	730	2	*1
34	49.3	43	34	72	100	750	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
39	55.5	43	38	70	100	908	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	_	100	1328	2	*2

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 \*2 Pin/O-Ring=A62/B62

16305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	-	100	1469	2	*2

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61

\*2 Pin/O-Ring=A62/B62

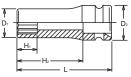


#### 16305M ()



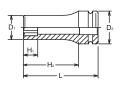
12-point Sockets, Deep Vasos Bihexagonales Largos





**16310M** O Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos





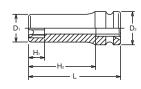


16310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(V)
15	27.5	44	15	74	100	500	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
36	53.8	44	34	71	100	960	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 > P270-271

**16325** O TORX® Deep Sockets Vasos TORX® Largos





16325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1
E26	35	44	18.8	74	100	660	2	*1
E28	36.3	44	25.2	74	100	670	2	*1
E30	38.8	44	25.2	75	100	730	2	*1
E32	41.3	44	25.2	75	100	777	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271



UNUTRUCCIÓN JUEGOS DE PIEZAS REPUE

16106.16 (inch)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)	
1/2	44	24	76	426	2	*1	
9/16	44	24	76	430	2	*1	
5/8	44	24	76	439	2	*1	
3/4	44	24	76	450	2	*1	1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

16106.16 (T)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16106.16 (XZN)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

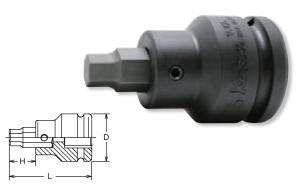
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
16106	32	44	16	52	370	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

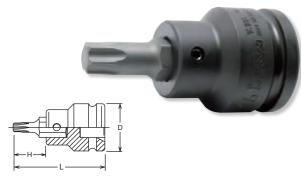
16106-SC

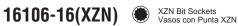
Replacement Screw : M6x10, 

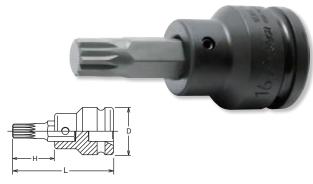
3mm



16106-16(T) TORX® Bit Sockets Vasos con Punta TORX®

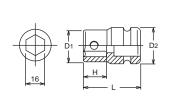








Bit Holder, For 107-16 Porta Punta





107-16 Bits for Inhex Screws Puntas para Tormillos Inhex



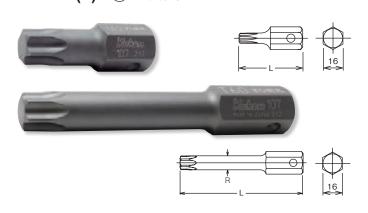
107.16 (mm)	L (mm)	<u> </u>	<b>A</b>	(pcs.)	
10	40	4	6	10	
12	40	5	2	10	
13	40	5	6	10	
14	40	6	0	10	
16	40	6	9	10	
17	40	7	3	10	1
18	40	7	8	10	
19	40	8	0	10	<u>^</u>
22	40	9	7	10	
107.16 (inch)	L (mm)	<u></u> (9	<u>a</u> )	(pcs.)	
3/8	40	4	5	10	
7/16	40	5	3	10	
1/2	40	5	6	10	
9/16	40	6	0	10	
5/8	40	6	9	10	
3/4	40	8	0	10	1
107.16(L100) (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	-	163	10	
17	100	-	185	10	1

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

100

22



107.16 (T)	L (mm)	₫¼ (g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

293

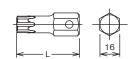
 $\overline{\Lambda}$ 

10

107.16(L100) (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

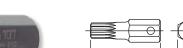
107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®





107.16 (IP)	L (mm)	Д́Д (g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN) 🌘





XZN Bits Puntas XZN

	$\triangle$
	$\mathbf{M}$
H	16

107.16 (XZN)	L (mm)	₫ <u>¼</u> (g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107.16(L100) (XZN)	L (mm)	R (mm)	₫Д (g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

TORX° is a registered trademark of CAMCAR Innovations°.
TORX° es una marca registrada de CAMCAR Innovations°.

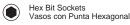
TORX6600: is a registered trademark of CAMCAR Innovations°.
TORX6600: es una marca registrada de CAMCAR Innovations°.

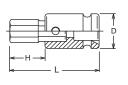
16107.22 (mm) (g) 19 28 670 22 44 28 88 2 24 44 28 88 706 2 27 44 88 730 2 28 30 44 28 88 757 2 32 44 28 93 783

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

The items with  $\triangle$  have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

16107-22

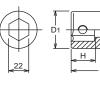






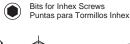
16107

Bit Holder Porta Punta





107-22





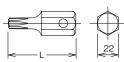




107-22 (T)



TORX® Bits Puntas TORX®







16760

	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	ДД (g)	(pcs.)	(V)
16107	44	44	22	60	530	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 > P270-271



Replacement Screw : M8x14, @4mm

107.22 (mm)	L (mm)	(g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	<u> </u>
27	50	200	10	1
30	50	227	10	1
32	55	243	10	1

107.22 (inch)	L (mm)	₫Д (g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1 1//	55	2/12	10

107.22(L140) (mm)	L (mm)	₫ <u>Ϡ</u>	(pcs.)	
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	1

The items with have larger output size than 22mm input hex drive. The items with A have larger output size than 2211111 imput not since.

Due to this design the Maximum output torque rating is less than standards.

107.22 (T)	L (mm)	₫Д (g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107.22(L140) (T)	L (mm)	₫ <u>"</u> (g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5



1460

\*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271

44

16760-150

16760-175

16760-200

16760-250

16760-330



Extension Bars Alargaderas

330

Adaptor (Quick Release) Adaptador (Extracción Rápida) 16666AL





Adaptor (Quick Release) Adaptador (Extracción Rápida) 16644AL







Universal Joint 16770 Articulación Universal





Universal Joint Articulación Universal 16771





16644A · 16655A

Adaptors Adaptadores

No Warranty Sin Garantía



Adaptor Adaptador 16688A





16688A-250 · -330

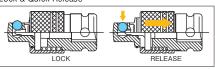




	L (mm)	₫∄ (g)	(pcs.)	(1)			
16666AL	75	660	2	*1			
44 0 PL - 0 44 PL 10 PL - 444 PL -							

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271

#### Lock & Quick Release





	凹 (sq.)	凸 (sq.)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)	ⅆ
16644AL	3/4"	1/2"	70	240	2	*1

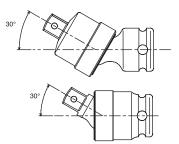
\*1 Pin/O-Ring=A51/B51 → P271



Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	L (mm)	₫Д (g)	(pce.)	W
16770	106	790	1	*1
16771	95	720	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271



	TYPE	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
16644A	Hole	3/4"	1/2"	54	310	5	*1
16644A-B	Ball	3/4"	1/2"	54	310	5	*1
166//A-P	Pin	2//"	1/2"	5.4	310	5	*1



	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pcs.)	W
166551	3//"	5/9"	55.5	336	5	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271



Adapting down to a smaller square drive may lead to excessive torque load and Adapting down to a smaller square drive.

possibly cause breakage. Always stay within limit torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫₫ (g)	(pce.)	(D)
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271



## **16201M • 16201A** O Socket Sets Juegos de Vasos



16201M	13 Pieces Set/\$\tilde{\bar{a}} = 6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	



16201M-01 · 16201A-01



Sockets Sets Juegos de Vasos





16201M-01	13 Pieces Set/ =6,000g
METAL CASE:W320xH110xT70mm	
Sockets	
16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/\$\tilde{\bar{A}} = 5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

Socket Sets Juegos de Vasos 16245M



16245M	17 Pieces Set/ὧ∄=12,000g
METAL CASE:W580×H124×T70i	mm
Sockets	Accessories
16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	16760-175 16760-330

18400M • 18400A O 6-point Sockets Vasos Hexagonales







18400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	W
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
20	36.5	54	14	57	595	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	66	36	70	1235	2	*2
48	71.5 74	66	35	70	1228	2	*2 *2
50		66	35	70	1302	2	
52 54	76.5 79	66 66	40 40	75 75	1423 1492	2	*2 *2
55	80.3	66	39	75 75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

*1 C-Ring=C81,	Pin/O-Ring=A81/B81
*2 C-Ring=C82,	Pin/O-Ring=A82/B82

<sup>\*3</sup> C-Ring=C83, Pin/O-Ring=A83/B83

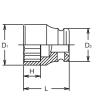
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
11/16 32.8 54 12 57 579 2	*1
<b>3</b> /4 35.3 54 13 57 590 2	*1
13/16 37.8 54 15 57 605 2	*1
7/8         39         54         15         57         620         2	*1
15/16 41.5 54 16 57 627 2	*1
1 42.8 54 16 57 620 2	*1
1. 1/16 45.3 54 16 57 627 2	*1
1. 3/32 46.5 54 16 57 642 2	*1
1. 1/8 47.8 54 18 57 657 2	*1
1. 3/16 49 54 21 62 657 2	*1
1. 1/4 51.5 54 21 62 685 2	*1
1. 9/32 52.8 54 21 62 692 2	*1
1. 5/16 54 54 21 62 690 2	*1
1. 3/8 55.3 54 21 62 710 2	*1
1. 7/16 57.8 54 21 62 735 2	*1
1.15/32 57.8 54 21 62 730 2	*1
1. 1/2 59 54 25 66 720 2	*1
1. 9/16 61.5 54 25 66 850 2	*1
1. 5/8 62.8 54 25 66 850 2	*1
1.11/16 65.3 54 27 68 977 2	*1
1. 3/4 67.8 54 27 68 963 2	*1
1.13/16 69 54 29 70 1010 2	*1
1. 7/8     71.5     66     35     70     1228     2	*2
<b>1.15/16</b> 72.8 66 35 70 1238 2	*2
2 75.3 66 35 70 1297 2	*2
2. 1/16 76.5 66 40 75 1423 2	*2
2. 1/8     79     66     40     75     1492     2	*2
<b>2.</b> 3/16 80.3 66 39 75 1501 2	*2
2. 1/4 82.8 66 39 75 1583 2	*2
2. 5/16 84 66 39 75 1586 2	*2
2. 3/8 86.5 66 39 75 1651 2	*2
<b>2.</b> 7/16 89 66 38 75 1685 2	*2
2. 1/2 91.5 66 38 75 1780 2	*2
2. 9/16 92.8 66 38 75 1915 2	*2
2. 5/8 95.3 66 38 75 1872 2	*2
2.11/16 96.5 66 37 75 1877 1	*2
2. 3/4 99 66 37 75 1944 1	*2
2.13/16 101.5 86 37 80 2705 1	*3
2. 7/8 102.8 86 38 80 2629 1	*3
2.15/16 105.3 86 37 80 2675 1	*3
3 106.5 86 37 80 2705 1	*3
3. 1/16 109 86 42 85 2967 1	*3
3. 1/8 111.5 86 41 85 2996 1	*3
3. 1/4 115.3 86 44 90 3328 1	*3
3. 3/8 119 86 36 90 3389 1	*3
3. 1/2 124 86 40 95 3871 1	*3
3. 3/4 130.3 86 43 100 4377 1	*3
4 137.8 86 46 105 5152 1	*3

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82
\*3 C-Ring=C83, Pin/O-Ring=A83/B83

#### 18405M · 18405A (



12-point Sockets Vasos Bihexagonales





18405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	66	35	70	1208	2	*2

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 \*2 C-Ring=C82, Pin/O-Ring=A82/B82

→P270-271

# \*2 C-Ring=C82, Pin/O-Ring=A82/B82 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

H (mm)

41.5

45.3

51.5

52.8

55.3

56.5

61.5

62.8

80.3

81.5

86.5

92.8

105.3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

111.5

\*1

\*1

\*2

\*2

\*2

\*3

\*2

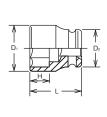
\*2

\*2

\*3









18401A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 \*2 C-Ring=C82, Pin/O-Ring=A82/B82

→P270-271	→P270-271	ı
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18401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	29	70	1153	2	*2
50	71	65	35	70	1235	2	*2

**18410M** O Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)

"







18410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
19	35.3	54	13	57	570	2	*1
22	39	54	15	57	620	2	*1
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

#### Extra Long Sockets Vasos Extra-Largos 18104M ()



T	

18104M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	W
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
36	56.5	54	36	170	1800	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	65	55	-	90	1458	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

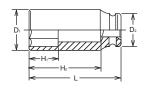


-H₁-÷



18300M · 18300A

6-point Sockets, Deep Vasos Hexagonales Largos



18300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17	32.8	54	17	77	108	978	2	*1
19	35.3	54	19	77	108	1010	2	*1
20	36.5	54	20	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	66	67	-	108	1729	2	*2
50	74	66	66	-	108	1879	2	*2
52	76.5	66	65	-	108	2000	2	*2
55	80.3	66	63	-	108	2088	2	*2
60	86.5	66	60	-	108	2290	2	*2
65	92.8	66	58	-	108	2643	2	*2
70	99	66	55	-	108	2792	1	*2
75	105.3	86	52	-	108	3646	1	*3
80	111.5	86	49	_	108	4039	1	*3
85	117.8	86	59	-	108	4000	1	*3
90	124	86	57	-	108	4200	1	*3
95	130.3	86	55	-	108	4400	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82
\*3 C-Ring=C83, Pin/O-Ring=A83/B83





18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(I)
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	-	108	1729	2	*2
1.15/16	72.8	66	67	-	108	1799	2	*2
2	75.3	66	66	-	108	1834	2	*2
2. 1/16	76.5	66	65	-	108	2000	2	*2
2. 1/8	79	66	64	-	108	2044	2	*2
2. 3/16	80.3	66	63	-	108	2088	2	*2
2. 1/4	82.8	66	62	-	108	2153	2	*2
2. 5/16	84	66	61	-	108	2225	2	*2
2. 3/8	86.5	66	60	-	108	2290	2	*2
2. 7/16	89	66	59	-	108	2364	2	*2
2. 1/2	91.5	66	58	-	108	2581	2	*2
2. 9/16	92.8	66	58	-	108	2643	2	*2
2. 5/8	95.3	66	56	-	108	2711	1	*2
2. 3/4	99	66	55	-	108	2792	1	*2
2. 7/8	102.8	86	53	-	108	3600	1	*3
2.15/16	105.3	86	52	-	108	3646	1	*3
3	106.5	86	51	-	108	3677	1	*3
3. 1/16	109	86	50	-	108	3939	1	*3
3. 1/8	111.5	86	49	-	108	4039	1	*3
3. 3/16	112.8	86	48	-	108	4170	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*2 C-Ring=C82, Pin/O-Ring=A82/B82 \*3 C-Ring=C83, Pin/O-Ring=A83/B83

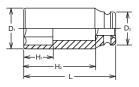
# 18301M • 18301A O 6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Parad De Igada





18301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81
\*2 C-Ring=C82, Pin/O-Ring=A82/B82
→P270-271



18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)	(1)
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	997	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1. 3/4	64.8	53	38	74	108	1400	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 \*2 C-Ring=C82, Pin/O-Ring=A82/B82

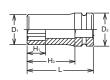
→P270-271

### 18310M ()



Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos





18310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



18106.16 (inch)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(D)	
1/2	54	24	92	696	2	*1	
9/16	54	24	92	700	2	*1	
5/8	54	24	92	709	2	*1	
3/4	54	24	92	764	2	*1	

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

18106.16 (T)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(I)
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

1810 (XZ		D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(D)
M1	4	54	44	112	723	2	*1
M1	6	54	44	112	733	2	*1
M1	8	54	44	112	743	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

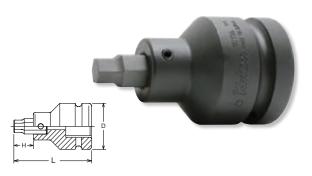
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
18106	32	54	16	68	640	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

16106-SC

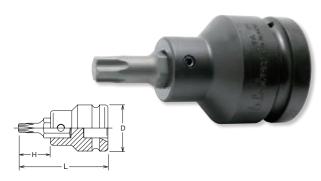
Replacement Screw : M6x10, 

3mm



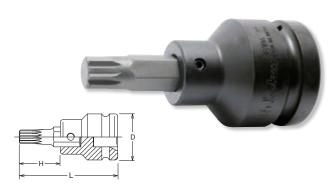
18106-16(T)





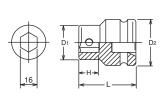
18106-16(XZN)





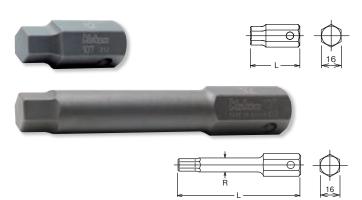


Bit Holder Porta Punta





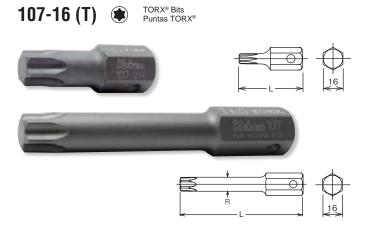
107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



107.16	L (2020)	4	[] (2)	<u> </u>	
(mm)	(mm)		(g)	(pcs.)	
10 12	40 40		46	10 10	
13	40		52	10	
13			56	10	
14	40 40		60 69	10	
17	40		09 73	10	<u> </u>
18	40		73 78	10	
19	40		78 80	10	
22	40		97	10	
22	40		97		
107.16			<u>r</u> a	<b>%</b>	
(inch)	(mm)		(g)	(pcs.)	
3/8	40		45	10	
7/16	40		53	10	
1/2	40		56	10	
9/16	40		60	10	
5/8	40		69	10	
3/4	40		80	10	1
107.16(L100)	L	R	<b>L</b> D	<b>X</b>	
(mm)	(mm)	(mm)	(g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	-	163	10	
17	100	-	185	10	1
19	100	-	228	10	
22	100	-	293	10	1

The items with have larger output size than 16mm input hex drive.

Due to this design the Maximum output torque rating is less than standards.

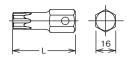


L (mm)	₫ <u>⊅</u> (g)	(pcs.)
50	45	10
50	50	10
50	57	10
50	64	10
50	73	10
	50 50 50 50	50 45 50 50 50 57 50 64

107.16(L100) (T)	L (mm)	R (mm)	₫¼ (g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

TORXPLUS® Bits Puntas TORXPLUS® 107-16 (IP)





107.16 (IP)	L (mm)	₫₫ (g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

60

60

60

107-16 (XZN) •



XZN Bits Puntas XZN



Lifetimo 107	M14	100	13.4	126
1900 N 20210 212	M16	100	15.8	153
-01	M18	100	17.1	173

16

107.16 (XZN)

M14

M16

M18

(g)

83

93

103

(g)

10

10

10

10

10

10

\*1 

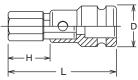
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

The items with have larger output size than 22mm input hex drive.

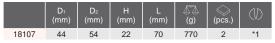
Due to this design the Maximum output torque rating is less than standards.

18107-22 Hex Bit Sockets Vasos con Punta Hexagonal





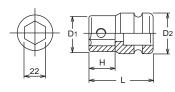
Bit Holder Porta Punta



\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

16107-SC

Replacement Screw : M8x14, ●4mm



107-22



107.22 (mm)	L (mm)	₫Д (g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	1
27	50	200	10	
30	50	227	10	1
32	55	243	10	

107.22 (inch)	L (mm)	₫Д (g)	(pcs.)	
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	
1 1/4	55	243	10	

107.22(L140) (mm)	L (mm)	₫Д (g)	(pcs.)	
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	1

The items with  $\triangle$  have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

107.22 (T)	L (mm)	Д°Д (g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10
107.22(L140) (T)	L (mm)	ДĨД (g)	(pcs.)
	L (mm) 140	(g) 395	
(T)	1 /		(pcs.)
(T) T 70	140	395	(pcs.) 5



Bits for Inhex Screws

Puntas para Tornillos Inhex









18108.32 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	W
19	54	30	105	1230	2	*1
22	54	30	105	1250	2	*1
24	54	30	105	1260	2	*1
27	54	30	105	1290	2	*1
30	54	30	105	1320	2	*1
32	54	30	105	1340	2	*1
36	54	30	105	1390	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

↑ The items with ↑ have larger output size than 32mm input hex drive.

Due to this design the Maximum output torque rating is less than DIN/ISO standards.

Bit Holder Porta Punta 18108 O



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(V)
18108	55	54	30	75	930	2	*1

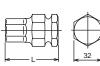
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

18108-SC



Bit for Inhex Screws Puntas para Tornillos Inhex 107-32

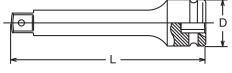




107.32 (mm)	L (mm)	₫ <u>¯</u> (g)	(pcs.)	
19	60	300	10	
22	60	320	10	
24	60	330	10	
27	60	360	10	
30	60	390	10	
32	60	410	10	
36	60	460	10	$\triangle$

Extension Bars Alargaderas 18760





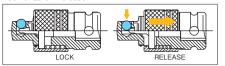
	D (mm)	L (mm)	₫¼ (g)	∭ (pce.)	(V)
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

18888AL 980 95

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

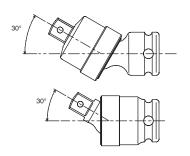
### Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	Д <sup>™</sup> Д (g)	(pce.)	W
18770	127	1350	1	*1
18771	115	1210	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 →P270-271



	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
18866A	1"	3/4"	67	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫∄ (g)	(pce.)	(D)
18877A	1"	1.1/2"	80	935	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



18888AL

Adaptor (Quick Release) Adaptador (Extracción Rápida)





Universal Joint Articulación Universal 18770



Universal Joint Articulación Universal 18771



18866A Adaptors No Warranty Adaptadores Sin Garantia





Adaptor Adaptador 18877A

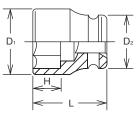




17400M • 17400A O 6-point Sockets Vasos Hexagonales









17400M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
57	87	86	43	90	2460	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

<sup>\*1</sup> C-Ring=C71, Pin/O-Ring=A71/B71
\*2 Pin/O-Ring=A72/B72

→ P270-271

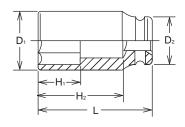
17405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	(D)
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.13/16	105	86	55	105	3400	1	*1
2.15/16	108	86	56	105	3700	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71
\*2 Pin/O-Ring=A72/B72

→ P270-271





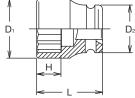
17300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pce.)	(1)
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 \*2 Pin/O-Ring=A72/B72

# 17405M • 17405A O 12-point Sockets Vasos Bihexagonales







17300M · 17300A





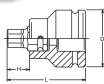
17300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71

\*2 Pin/O-Ring=A72/B72







17108.32 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(1)	
19	86	30	115	2500	1	*1	
22	86	30	115	2520	1	*1	
24	86	30	115	2530	1	*1	
27	86	30	115	2560	1	*1	
30	86	30	115	2590	1	*1	
32	86	30	115	2610	1	*1	
36	86	30	115	2660	1	*1	4

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 -> P270-271

17108 O Bit Holder, For 107-32 Porta Punta



	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
17108	60	86	30	85	2200	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

16107-SC

Replacement Screw : M8x14, 

4mm







107.32 (mm)	L (mm)	₫∄ (g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10

The items with have larger output size than 32mm input hex drive. The items with an have larger output size using some property of the less than DIN/ISO standards.

Due to this design the Maximum output torque rating is less than DIN/ISO standards.



# 1-1/2" Impact Sockets

17760	D (mm)	L (mm)	Д¯Д (g)	(pce.)	(1)
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

<del> -</del>					
17770					
	W	(pce.)	<b>₽</b> Z	L (mm)	

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271



Universal Joint Articulación Universal

17760 Extension Bars Alargaderas

	凹 (sq.)	凸 (sq.)	L (mm)	ДД (g)	(pce.)	(1)
17788A	1.1/2"	1"	98	2600	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	W
17799A	1.1/2"	2.1/2"	115	3790	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271



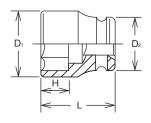




# 19400M • 19400A O 6-point Sockets Vasos Hexagonales









19400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	W
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(V)
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

\*1 Pin/O-Ring=A91/B91 \*2 Pin/O-Ring=A92/B92

2-1/2" Impact Sockets

6-point Deep Sockets Vasos Hexagonales Largos

19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

<sup>\*1</sup> Pin/O-Ring=A91/B91 \*2 Pin/O-Ring=A92/B92

19760	D (mm)	L (mm)	₫₫ (g)	(pce.)	W
250	127	250	17800	1	*1
500	127	500	27800	1	*1

\*1 Pin/O-Ring=A91/B91 -> P271



	L (mm)	₫∄ (g)	(pce.)	(D)
19770	303	21360	1	*1

\*1 Pin/O-Ring=A91/B91 -> P271



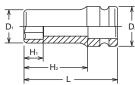
	凹 (sq.)	凸 (sq.)	L (mm)	₫Д (g)	(pce.)	(D)
19977A	2.1/2"	1.1/2"	145	7210	1	*1

\*1 Pin/O-Ring=A91/B91 → P271

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.







Extension Bars Alargaderas 19760

19300M ()



Universal Joint Articulación Universal 19770



No Warranty Sin Garantía 19977A Adaptor Adaptador

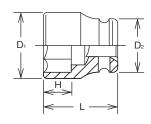


10400M • 10400A O 6-point Sockets Vasos Hexagonales









10400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	ⅆ
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	ДД (g)	(pce.)	(V)
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

\*1 Pin/O-Ring=A01/B01 \*2 Pin/O-Ring=A02/B02

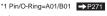


Adaptor Adaptador

No Warranty Sin Garantía



<sup>10099</sup>A 3.1/2" 2.1/2" 182 16870 1





Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

10099A





The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con casquillo conductor evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del casquillo conductor optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.

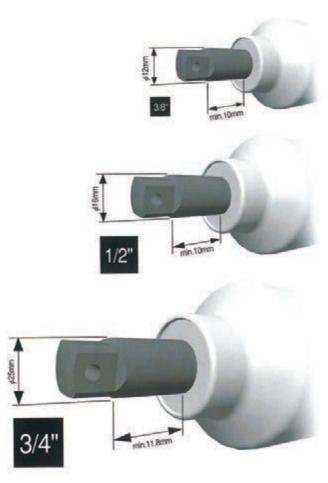


# SLEEVE DRIVE SOCKET PULSE TOOL

The "Sleeve Drive" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



10 13.3 15.8 \*1 \*1 18.3 \*2 19.5 20.8 \*2 \*2 23.3 \*2 24.5 \*2 25.8 \*2 29.5 

	00.0			-10
C-Ring=	C31, Pin/O-	Ring=A31/E	B31 → P2	270-271
C-Ring=	G32. PIN/O-	KING=A32/E	3.32	

<b>NV13400</b>	6-point Sockets Vasos Hexagonales
FLAT DRIVE®	

NV13145.100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	ⅆ
6	13	19	6	100	108	5	*1
8	13	19	8	100	110	5	*1
10	15.5	19	10	100	112	5	*1
12	18	19	12	100	120	5	*1
13	19	19	13	100	127	5	*1
14	21	19	14	100	131	5	*1
15	22	19	15	100	133	5	*1
16	24	19	15	100	144	5	*1
17	25	19	15	100	154	5	*1

NV13145.150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
6	13	19	6	150	163	5	*1
8	13	19	8	150	158	5	*1
10	15.5	19	10	150	165	5	*1
12	18	19	12	150	168	5	*1
13	19	19	13	150	170	5	*1
14	21	19	14	150	175	5	*1
15	22	19	15	150	177	5	*1
16	24	19	15	150	190	5	*1
17	25	19	15	150	203	5	*1

NV13145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	W
6	13	19	6	200	209	5	*1
8	13	19	8	200	203	5	*1
10	15.5	19	10	200	212	5	*1
12	18	19	12	200	214	5	*1
13	19	19	13	200	218	5	*1
14	21	19	14	200	220	5	*1
15	22	19	15	200	226	5	*1
16	24	19	15	200	235	5	*1
17	25	19	15	200	250	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

NV13760	TYPE	D (mm)	L (mm)	ДД (g)	(pcs.)	W
75P	Pin	19	75	95	5	*1
125P	Pin	19	125	125	5	*1
150P	Pin	19	150	150	5	*1
250P	Pin	19	250	255	5	*1

<sup>\*1</sup> C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

### NV13145-100 · -150 · -200 Extended Sockets Vasos con Alargadera



### NV13760-P Extension Bars Alargaderas





183H.35 (mm)	L (mm)	Д¯Д (g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	À
14	35	35	10	<u></u>
16	35	47	10	À
17	35	50	10	1
18	35	53	10	Ĺ
19	35	56	10	Ĺ

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.





183T.75 (T)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
T25	75	6	33	10	
T27	75	6	33	10	
T30	75	6	35	10	
T40	75	6.9	37	10	
T45	75	8	41	10	
T50	75	9	45	10	
T55	75	11.4	55	10	
T60	75	13.5	67	10	



183H.35 (inch)	L (mm)	₫Д (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	₫∄ (g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	Д°Д (g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	-	118	10	
12	150	-	136	10	1

183H.75B (mm)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
6B	75	5.7	39	10	
8B	75	7.7	44	10	
10B	75	9.7	49	10	
12B	75	11.7	72	10	1

183H.150B (mm)	L (mm)	R (mm)	₫Д (g)	∭ (pcs.)	
6B	150	5.7	65	10	
8B	150	7.7	71	10	
10B	150	9.7	92	10	
12B	150	11.7	135	10	1

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.



183T.35 (T)	L (mm)	<b>₽</b> Д (g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	Â

183T.150 (T)	L (mm)	R (mm)	₫Д (g)	(pcs.)	
T30	150	6	50	10	
T40	150	6.9	58	10	
T45	150	8	70	10	
T50	150	9	82	10	
T55	150	11.4	113	10	
T60	150	13.5	148	10	$\triangle$

The items with have larger output size than 7/16" input hex drive. The items with A have larger output size than 1710 important of the Due to this design the Maximum output torque rating is less than standards.

TORXPLUS® Bits Puntas TORXPLUS®

XZN Bits Puntas XZN

### 183T.35 (IP) ₫₫ (g) 30IP 35 18 10 40IP 35 20 10 45IP 35 22 10 50IP 35 26 10 55IP 35 30 10 38 10

183T.75 (IP)	L (mm)	R (mm)	₫∄ (g)	(pcs.)	
30IP	75	6	35	10	
40IP	75	6.8	37	10	
45IP	75	8	41	10	
50IP	75	9	45	10	
55IP	75	11.4	56	10	
60IP	75	13.5	67	10	$\triangle$

The items with have larger output size than 7/16" input hex drive. The items with A have larger output size than 7710 importion across.

Due to this design the Maximum output torque rating is less than standards.



183X.35 (XZN)	L (mm)	₫₫ (g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X.75 (XZN)	L (mm)	R (mm)	ДД (g)	(pcs.)	
M 4	75	6	34	10	
M 5	75	6	34	10	
M 6	75	6.2	36	10	
M 8	75	7.4	39	10	
M10	75	9.8	54	10	
M12	75	11.7	57	10	
M14	75	13.5	67	10	1

The items with have larger output size than 7/16" input hex drive.

Due to this design the Maximum output torque rating is less than standards.

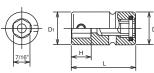
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	₩
NV13134	24	22	15	45	100	5	*2

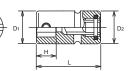
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

DIN3126 / ISO1173 E11.2 Bits









NV13134

3/8",1/2"

TORXALORS®

DIN3126 E11.2 ISO1173 E11.2

183T-35 ⋅ -75 (IP) ●

6.7

6.7

(XZN) M 5

M 6

M 8

M10

M12

M14

183X-35 ⋅ -75 ⋅ -150 (XZN) ●

150

150

150

150

150

150

Bit Holder Porta Punta

Bit Holder

Porta Punta

6

6.2

7.4

9.8

11.7

13.5



50

53

64

93

121

151

10

10

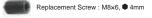
10

10

10

10

13134-SC



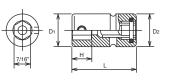
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pcs.)	(D)
NV14134	24	25	15	55	130	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

For DIN3126 / ISO1173 E11.2 Bits







NV14134



13134-SC





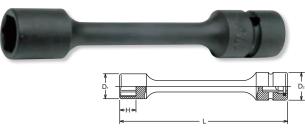
NV14400 O 6-point Sockets Vasos Hexagonales

NV14400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Z (g)	(pcs.)	(V)
10	17	25	7	52	120	10	*1
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

### NV14145-100 · -150 · -200 Extended Sockets Vasos con Alargadera





NV14145.100 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

NV14145.150 (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(D)
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

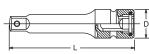
NV14145.200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	(D)
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

### NV14760-P

Extension Bars Alargaderas





NV14760	TYPE	D (mm)	L (mm)	₫Д (g)	(pcs.)	W
75P	Pin	25	75	149	10	*1
125P	Pin	25	125	226	5	*1
175P	Pin	25	175	308	5	*1
250P	Pin	25	250	422	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P270-271

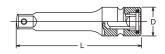
### NV14433A-P

Adaptors

No Warranty Sin Garantía







NV14433A	凹 (mm)	凸 (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
75P	1/2"	3/8"	25	75	120	10	*1
100P	1/2"	3/8"	25	100	145	10	*1
150P	1/2"	3/8"	25	150	187	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

Adapting down from bigger square drive to smaller square drive may lead to Adapting down from bigger square drive to smaller square drive in smaller square drive in size of excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

FLAT DRIVE®

\*1 \*1

\*1

\*1

\*1

\*1

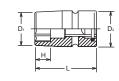
\*1

5

FLAT DRIVE®	



NV16400 O 6-point Sockets Vasos Hexagonales



51.3 52.5 56.3 66.3 

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 >P270-271

D<sub>2</sub> (mm)

18

31.3

32.5

36.3

37.5

38.8

41.3

42.5

43.8

46.3

48.8

### NV16760

Extension Bars Alargaderas

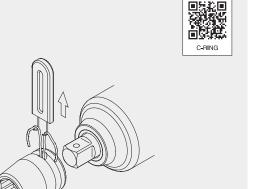


NV16760	D (mm)	L (mm)	Д¯Д (g)	(pce.)	W
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

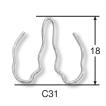
Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.

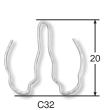


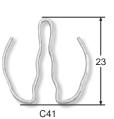


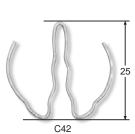
### **C-Ring**

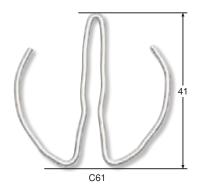
Ø	Opening (mm)	(pcs.)
3/8"	≦12	100
3/8"	>12	100
1/2"	≦14	100
1/2"	>14	100
3/4"	≦46	100
	≦46	100
1"	47-70	50
1"	>70	50
1-1/2"	≦90	50
	3/8" 3/8" 1/2" 1/2" 1/2" 3/4" 1" 1" 1"	$\begin{array}{c c} \hline & (mm) \\ \hline \hline 3/8" & \leq 12 \\ \hline 3/8" & > 12 \\ \hline 1/2" & \leq 14 \\ \hline 1/2" & > 14 \\ \hline 1/2" & > 14 \\ \hline 3/4" & \leq 46 \\ \hline 1" & 47-70 \\ \hline 1" & > 70 \\ \hline \end{array}$

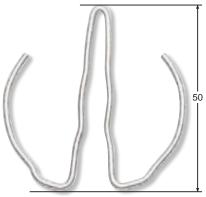












# **C-Ring Set**

_			
Set No.	Ø	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 +	- 149
PKC32	3/8"	C32 +	- 149
PKC41	1/2"	C41 +	- 149
PKC42	1/2"	C42 +	- 149
PKC61	3/4"	C61 +	- 152
PKC81	1"	C81 +	- 152

### **Puller**

No.	Ø	(pcs.)
149	3/8" 1/2"	10
152	3/4" 1"	10







# Pin

No.	Ø	Opening (mm)	D (mm)	L (mm)	(pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≦ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≦ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≦ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≦ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≦ 90	6	75	50
A72	1-1/2"	> 90	6	110	1
A91	2-1/2"	≦115	8	110	1
A92	2-1/2"	>115	8	155	1
A01	3-1/2"	≦140	13	155	1
A02	3-1/2"	>140	13	180	1





# 0-Ring

No.	Ø	Opening (mm)	D₁ (mm)	D <sub>2</sub> (mm)	(pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≦ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≦ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≦ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≦ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≦ 90	10	75	50
B72	1-1/2"	> 90	10	114	1
B91	2-1/2"	≦115	10.5	114	1
B92	2-1/2"	>115	10.5	158	1
B01	3-1/2"	≦140	15	158	1
B02	3-1/2"	>140	15	183	1

IMPACT	Pa D	4 /411		(OII)	4	/OII		/AII		411		l l	I/OII
Standard	Sq.Dr.	1/4"		8"		<u>/2"</u>		<u>/4"</u>		1"			1/2"
Sockets	C-Ring		C31	C32	C41	C42	C61		C81	C82	C83	C71	
size 4	Pin/O-Ring	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/B62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4.5	3/16												
5		•											
5.5 6	1/4	•	•		•								
7	9/32	•	•		•								
8	5/16	•	•		•								
9 10	11/32 3/8	•	•		•								
11	7/16	•	•		•								
12	1/0	•	•		•								
13 14	1/2 9/16	•		•	•		•						
15				•		•	•						
16 17	5/8 11/16			•		•	•		•				
18	11/10			•		•	•		•				
19	3/4			•		•	•		•				
20	13/16			•		•	•		•				
22	7/8			•		•	•		•				
23	45110			•		•	•		•				
24 25	15/16			•		•	•		•				
26						•	•		•				
27 28	1- 1/16					•	•		•				
28	1- 1/8					•	•		•				
30	1- 3/16					•	•		•				
31 32	1- 1/4					•	•		•				
33	1- 5/16												
34	1- 3/8					•	•		•				
36 37	1- 7/16					•	•		•			•	
38	1- 1/2					•	•		•			•	
39	4 040					•	•		•			•	
40 41	1- 9/16 1- 5/8					•	•		•			•	
42							•		•			•	
43 44	1- 11/16						•		•			•	
45	1- 3/4						•						
46	1- 13/16						•		•			•	
47 48	1- 7/8							•		•		•	
40	1- 15/16							•		•		•	
50								•		•		•	
52	2 2- 1/16							•		•		•	
54	2- 1/8							•		•		•	
55 56	2- 3/16							•		•		•	
30	2- 1/4												
58	2- 5/16							•		•		•	
60 62	2- 3/8 2- 7/16							•		•		•	
63								•		•		•	
65	2- 1/2 2- 9/16							•		•		•	
67	2- 9/10							•					
68	2- 11/16							•		•		•	
70	2- 3/4 2- 13/16							•		•	•	•	
	2- 7/8										•	•	
75	2- 15/16 3										•	•	
	3- 1/16												
80	3- 1/8										•	•	
85	3- 1/4										•	•	
	3- 3/8										•	•	
90	3- 1/2										•	•	
95	3- 5/8 3- 3/4										•	•	•
100	3- 7/8										•		•
105	4 4- 1/8										•		•
110	4- 1/4												
115	4- 1/2												•
120	4- 5/8 4- 3/4												•
125	4- 7/8												•
130	5												•
135 140	5- 1/4												•
150													•
	6 1/2												•
	6- 1/2						L				l	1	•

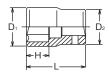


22400M ()



6-point Sockets Vasos Hexagonales





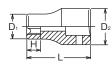


22400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10



**22425** TORX® Sockets Vasos TORX®





22425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

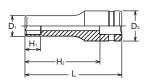
**TORX**® (E)

	Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub>	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

### 







D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
10.5	11.2	8	40	50	24	10
11.8	11.2	9	40	50	28	10
14.3	12.9	11	39	50	33	10
16.8	15.5	13	39	50	50	10
18	16.4	14	39	50	50	10
	(mm) 10.5 11.8 14.3 16.8	(mm)         (mm)           10.5         11.2           11.8         11.2           14.3         12.9           16.8         15.5	(mm)         (mm)         (mm)           10.5         11.2         8           11.8         11.2         9           14.3         12.9         11           16.8         15.5         13	(mm)         (mm)         (mm)         (mm)           10.5         11.2         8         40           11.8         11.2         9         40           14.3         12.9         11         39           16.8         15.5         13         39	(mm)         (mm)         (mm)         (mm)         (mm)           10.5         11.2         8         40         50           11.8         11.2         9         40         50           14.3         12.9         11         39         50           16.8         15.5         13         39         50	(mm)         (mm)         (mm)         (mm)         (mm)         (g)           10.5         11.2         8         40         50         24           11.8         11.2         9         40         50         28           14.3         12.9         11         39         50         33           16.8         15.5         13         39         50         50

22300A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫'∆ (g)	(pcs.)
1/4	9.8	11.2	7	40	50	24	10
5/16	11.8	11.2	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10

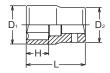


INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.



### 23400M · 23400A O 6-point Sockets Vasos Hexagonales





23400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

17.3

17.3

17.3

17.3

17.3

17.3

17.3

18.5

19.5

21.5

22.5

23.5

6.5

6.9

7.5

9.3

9.4

11.5

12.5

13.5

14.5

9.9

10.8

13.3

14.5

15.8

16.8

19.5

23.5

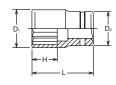
24.6

23400N

23405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
1.4	40 E	40 E	4.4	27	24	40







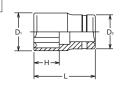


23410M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10





Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )



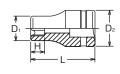


425	D <sub>1</sub>	D <sub>2</sub>	H	L	₫Д	⇒
E)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
5	7	17.3	5.2	26	20	10

E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18.1	17	11.8	26	27	10



TORX® Sockets Vasos TORX®







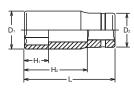
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S <sub>1</sub> (ref. mm)																		
S <sub>2</sub> (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

23300M • 23300A O 6-point Sockets, Deep Vasos Hexagonales, largos









23300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

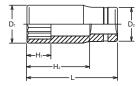
23300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10



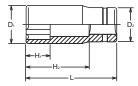
23305M O 12-point Deep Sockets Vasos Bihexagonales Largos











23310M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

325	0	TORX® Deep Sockets Vasos TORX®, largos	
		NEW	D <sub>1</sub> D <sub>2</sub>

23325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

231	<b>03M</b>

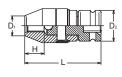
23325



Stud Bolt Setters Vasos para apretar pernos







23103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(D)
6(1.0)	11.1	22	9	59	175	10	*1
8(1.25)	13.6	22	11	61	181	10	*1
10(1.25)	16	22	13	63	188	10	*1
10(1.5)	16	22	13	63	188	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

This item is not suitable for impact drivers.

This item is not suitable for impact drivers.

Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

23760	D (mm)	L (mm)	₫Д (g)	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5





Extension Bars Alargaderas

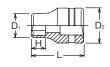


# FLAT DRIVE®

45

10

# 





11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5
24400A	D <sub>4</sub>	D∘	н	1	$\pi^{\circ}\pi$	

9

37

21

15.3

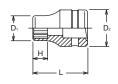
10

24400A (inch)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

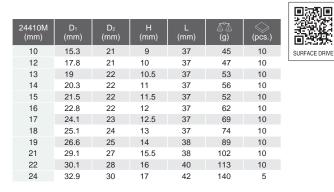
24405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
10	26.6	25	1./	20	90	10

24405M





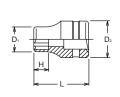




24425 (E)	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

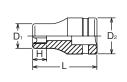
24410M

Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo )





TORX® Sockets Vasos TORX® 24425







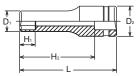
		Е	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
		(ref. mm)																		
1	S <sub>2</sub>	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

24300M • 24300A O 6-point Sockets, Deep Vasos Hexagonales, largos



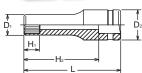






12-point Deep Sockets Vasos Bihexagonales Largos 24305M ()





Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos 24310M ()

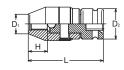




SURFACE DRIVE

Stud Bolt Setters
Vasos para apretar pernos 24103M O





24760-P Extension Bars Alargaderas



24300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
23	31.5	29	27	57	77	235	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

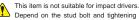
24300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)	(1)
8(1.25)	15.4	30	15	69	332	10	*1
10(1.25)	17.8	30	18	72	344	10	*1
10(1.5)	17.8	30	18	72	344	10	*1
12(1.75)	20.2	30	19	74	352	10	*1

\*1 C-Ring=C42, Pin/O-Ring=A42/B42 -> P270-271



This item is not suitable for impact drivers.

Depend on the stud bolt and lightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

24760	D (mm)	L (mm)	₫∄ (g)	(pcs.)
75P	24	75	140	10
125P	24	125	200	5
250P	24	250	370	5







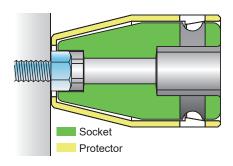
### Safety

Turnable plastic protector increases operator's safety during assembly process.



### Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.





FLAT DRIVE®

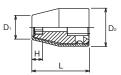
### 13400M-FR O 6-point Sockets Vasos Hexagonales











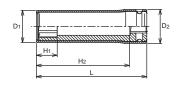
### 13300M-FR ()



6-point Sockets, Deep Vasos Hexagonales Largos



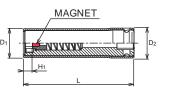
13300M (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	ДД (g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173
17FR	27.2	25	18	66.5	81.3	173



28

1000

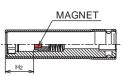
### 8FR 16.1 27.5 81.3 87 22 5 10FR 22 5.5 27 18.6 81.3 110 12FR 21.1 22 27 81.3 141 13FR 7.5 170 22.3 25 26 81.3 14FR 23.6 25 25 81.3 191 8 8.5 16FR 25 28 26 81.3 215



25

27.2

17FR



225

81.3

### 13300G-FR



Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo





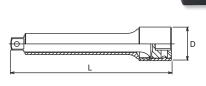


13760-P.FR

Extension Bars Alargaderas



	D (mm)	L (mm)	ДД (g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220





The Protectors could be broken with any Impacts. Please handle with care.

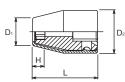
14400M-FR O 6-point Sockets Vasos Hexagonales







14400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∆ (g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
15FR	26.6	33	11	39.3	135
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
18FR	30.2	33	13	39.3	135
19FR	31	33	13	39.3	130



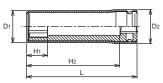
14300M-FR O 6-point Sockets, Deep Vasos Hexagonales Largos







14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)
10FR	19.8	28	11	63	81.3	145
12FR	22.3	28	13	63	81.3	167
13FR	23.5	28	14	63	81.3	167
14FR	24.8	28	15	63	81.3	179
16FR	27.3	33	17	63	81.3	237
17FR	28.5	33	18	63	81.3	237
18FR	29.8	33	18	62	81.3	237
19FR	31	33	20	62	81.3	245



### 14300G-FR



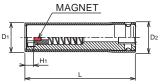
Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo

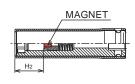






14300G (mm)	D₁ (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)
10FR	19.8	28	5.5	27	81.3	145
12FR	22.3	28	7	27	81.3	170
13FR	23.5	28	7.5	26	81.3	190
14FR	24.8	28	8	25	81.3	194
16FR	27.3	33	8.5	27.5	81.3	275
17FR	28.5	33	9	27.5	81.3	277
19FR	31	33	10	28.5	81.3	313



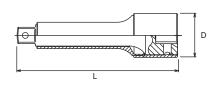


14760-P.FR Extension Bars Alargaderas



	D (mm)	L (mm)	<b>₫</b> ∄ (g)
14760-75P.FR	34.2	75	195
14760-125P.FR	34.2	125	280
14760-250P.FR	34.2	250	480







The protector could be broken with any impacts. Please handle with care.

113.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45
14SV	21.3	9	75	45

113.100 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

113.150 (mm)	D (mm)	H (mm)	L (mm)	₫Д (g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80
14SV	21.3	9	150	80

115.75 (mm)	D (mm)	H (mm)	L (mm)	₫ <u>Ђ</u> (g)
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54
14SV	21.3	6.4	75	54

115.100 (mm)	D (mm)	H (mm)	L (mm)	₫∄ (g)
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67
14SV	21.3	6.4	100	67

115.150 (mm)	D (mm)	H (mm)	L (mm)	Д¯Д (g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87
14SV	21.3	6.4	150	87

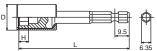
### 113-75SV · -100SV · -150SV



Nut Setters
Vasos para apretar tuercas Hexagonales





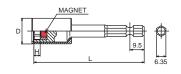


### 115-75SV · -100SV · -150SV

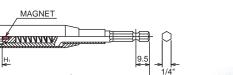
Nut Setters with Magnet Vasos para tuercas con Imán







SLIDE MAGNET



MAGNET



# 115G-100FR · -150FR · -200FR

Nut Setters with Sliding Magnet Vasos para tuercas con Imán Corredizo





115G.100 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

115G.150 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110
14FR	21.3	7	24	150	110

115G.200 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Ø∄ (g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135
14FR	21.3	7	24	200	135



The Protectors could be broken with any Impacts. Please handle with care.



Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.



### **REPLACEMENT**

Remove a damaged Protector and put a new Protector on socket / extension bar by pressing. For your safety, worn out or cracked Protector must be replaced.

### SUSTITUCION

Retire el protector dañado y coloque un nuevo protector en la llave de vaso / barra de extensión presionando. Por su seguridad, los protectores desgastados o agrietados deben ser sustituidos



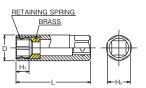


**3300C · 4300C** Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas









3300C (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Ъ (g)	(pcs.)
13		17.5	11	17	70	66	10
14		19	11	17	70	82	10
16	3/8"	20.5	13	17	70	91	10
18	ш	23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

4300C (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
16		21	13	21	70	101	10
18	1/2"	23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3300CB



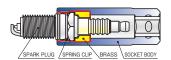
Spark Plug Socket (BMW) Llave de Bujía (BMW)





3300CB (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
16	3/8"	22.8	13	19	65	118	10



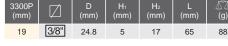


### SPARK PLUG SOCKETS with SPRING CLIP

An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventig thread damage. The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.



Spring clip type spark plug sockets caused deforming the clip if it would be used with Spring clip type sp... shallow engagement.





19mm spark plug for generators,

10



grass trimmers and chainsaws



The magnet could be broken with any impacts. Please handle with care.

3300P

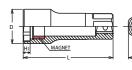


Spark Plug Socket with Magnet Llaves de bujía con Imán











Spark Plug Socket with Magnet, 12-point Opening Llaves de bujía con Imán, Boca Bihex







		MAGNET	-		1
				$\exists$	
1		7///////		<del>-</del>	
	H <sub>1</sub>				1 1
- 1	<u> </u>	L-		->	<b>⊢</b> H <sub>2</sub> →

3305P (mm)		D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
12		16.5	6.3	-	70	78	10
14	3/8"	19	8	17	70	87	10
16	ш	20.5	8	17	70	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14

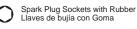




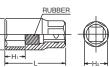


The magnet could be broken with any impacts. Please handle with care.

3300S · 4300S (







3300S (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
16		20.9	19	17	70	100	10
18	3/8"	23.9	21	21	70	145	10
20.8		26.9	27	22	70	140	10

4300S (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
16		21	19	21	70	100	10
18	1/2"	23.9	21	21	70	130	10
20.8	ш	26.9	27	22	70	135	10









3300C.180 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)
14	19	18	11	180	205	5
16 3/8"	20.5	18	13	180	220	5
20.8	26.9	18	13.5	180	260	5

3	3300C.250 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
	14		19	18	11	250	271	5
	16	3/8"	20.5	18	13	250	290	5
	20.8	ш	26.9	18	13.5	250	340	5

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



3300C-180 · -250 Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas







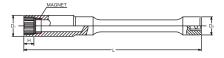
#### 3305P-250



Spark Plug Socket with Magnet, 12-point Opening Llave de bujía con Imán, Boca Bihex





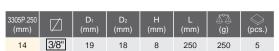


19

21

23.0

3/8"





The magnet could be broken with any impacts. Please handle with care



#### 3340C · 4340C

Universal Spark Plug Sockets with Spring Clips Llaves de bujía con Presillas con Articulación Universal



	26.8	19	13.5	88	174	10
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
1/2"	21	25	13	107	220	10
1/4	26.8	25	13.5	107	250	10

13

12

88

88

QΩ

109

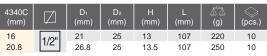
122

145

10

10

10



19

10



14

16

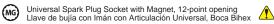
18

20.8

Spring clip type spark plug sockets caused deforming the clip if it would be used with Spring CIIP LYPE OF . shallow engagement.





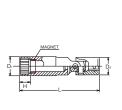




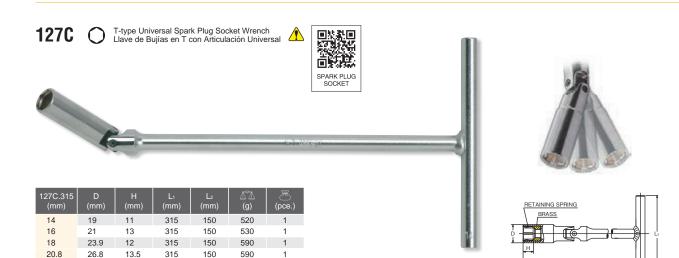
3345P (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
14	3/8"	19	19	8	88	110	10



The magnet could be broken with any impacts. Please handle with care.

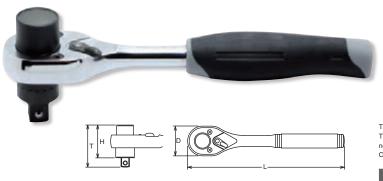






3751J Torque Ratchet for Spark Plugs Llave de Bujías Dinamométrica

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



TORQUE RATCHET

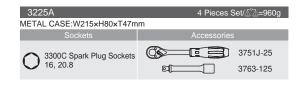
The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted.

Cylinder heads and spark plugs are protected by this mechanism.

	$\square$	D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)
3751J-25	3/8"	34	57	43	178	320	1

Set for Torque Controlled Installation of Spark Plugs 3225A Juego de Llaves de Bujías Dinamométricas







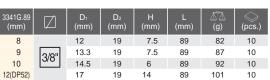








3341G.70 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
10		14.5	19	6	70	76	10
11	3/8"	15.8	19	6	70	80	10
12	ш	17	19	6	70	85	10



GLOW PLUG SOCKETS, NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

El perno/tuerca se sujeta firmemente por medio de dos bolas

en la boca hexagonal para un trabajo seguro y fiable



3342G.150 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10

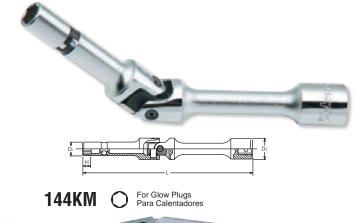




Universal Glow Plug Sockets with NUT GRIP® Llaves de Calentador con Articulación Universal con Sujeta-Tuercas (Nut Grip®)

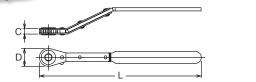




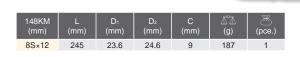


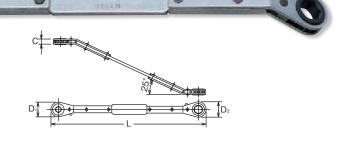


144KM (mm)	L (mm)	D (mm)	C (mm)	₫¼ (g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1



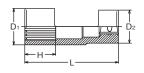






Socket for Diesel Engine Injectors Vaso para Inyectores de Motor Diesel SP4305M-77





SP4305M.77 (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
27	1/2"	36.5	33	28	77	212	5

SP4305M.77-27 For fuel injection pump of BMW diesel cars.

Socket for Diesel Engine Injectors Vaso para Inyectores de Motor Diesel 4133





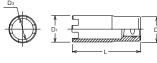
 $\Box$ 1/2" 23.9 23 86 10 4133 55

4133

For fuel injection pump of M.B diesel cars.

Diesel Injection Holder Nut Socket Vaso Porta Tuerca de Inyección Diesel 4122-72





22 1/2" 28.5 27 22 72 150 10

28.4 22 22 32 69 185 5

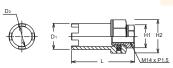
4122.72-22

22

For M.B Trucks, Holder nut of injection post.

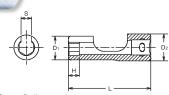
Diesel Injection Holder Nut Socket Vaso Porta Tuerca de Inyección Diesel SP4122-69





Flare Nut Sockets 3300FN () Llaves de vaso para entubar





RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta

3300FN (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	S (mm)	Д Д (g)	(pcs.)
8		14.5	17.3	6	53	6.4	38	10
9		16	17.3	7	53	6.8	41	10
10		16.8	17.2	7.5	53	7.2	42	10
11		18	17	8.5	53	8.3	42	10
12		20	18	9	53	8.8	50	10
13		21.1	20	9.5	62	9.4	66	10
14		22	20	10.5	62	10.5	66	10
15	3/8"	23	22	11	70	11.5	82	10
16		24	23	11.5	70	12	90	10
17		25	24	12.5	80	13	110	10
18		27	25	13	80	13.5	120	10
19		28	26	14	80	14.5	130	10
21		30	27.5	15	80	15.5	170	10
22		32	29.5	16	80	16	180	10
24		34.5	31.5	17	80	17	200	10

RS3300FN/6 8, 10, 12, 14, 17, 19

29

85

33 30

33

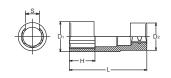
1/2"

	H	
ora ora ora illi		
***		166



Special socket for Lambda Probes Vaso Especial para Sensores Lambda





SP4300M.85-22

SP4300M.110-22



8 228 10

FLARE NUT SOCKET Socket for Lambda Probes Open section allows for use with wire/connector.

24 24 32.5 27 17 40 57 157 10 26 35 27 19 40 24 57 170 10 27 36.1 27 19.5 40 24 57 175 10

4300H series

Removes and installs oil pressure switches

4300H (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
27(8P)	1/2"	34	27	14	37	57	152	10

4300H(8P) series

Socket for Switches, Mercedes Benz and MAN

4010M.100 (mm)		D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8(12P)	1/0"	23	63.5	100	132	10
10(12P)	1/2	23	63.5	100	135	10

4010M.1 (mm)	20	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8(12F	2) 1/0"	23	83.5	120	151	10
10(12F	P) [1/2]	23	83.5	120	155	10





Cylinder head bolt socket for TOYOTA 4010M(12P) is Double Hex bit socket. XZN(Triple Square) bit socket has different shape.

	$\square$	D (mm)	H (mm)	L (mm)	₫ <u>¯</u> Д (g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10





Head Bolt Bit Socket for VW/AUDI ST4027-140 can not substitute with 3027, 4027-CV bit series.

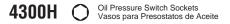


13145M.150 (12P) (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
10	2/0"	15.8	19	10	150	120	1	*1
12	3/0	18.3	19	12	150	128	1	*1

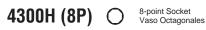
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

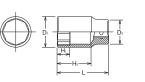
16305M (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д″Д (g)	(pcs.)	(1)
14		26.3	44	14	74	100	500	2	*1
17	3/4"	30	44	17	74	100	544	2	*1
19	3/4	32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 > P270-271





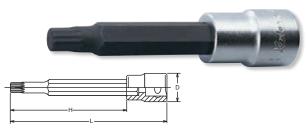






## 4010M-100 · -120 (12P)

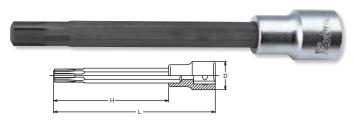
Bit Sockets for Double Inhex Screws (12-point) Vasos con Punta para Tornillos Doble Inhex (Bihex)



ST4027-140



Head Bolt Bit Socket for VW/AUDI Vasos con Punta para Perno de Culata VW/AUDI



13145M-150 · -200 (12P)



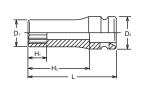
13145M.200 (12P) (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	(I)
10	3/8"	15.8	19	10	200	151	1	*1
12	3/0	18.3	19	12	200	159	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271





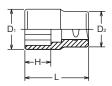
12-point Sockets, Deep Vasos Bihexagonales Largos





4109M O Double Square Sockets Vasos Octagonales



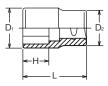


4111M



6-point Socket Vaso Hexagonales



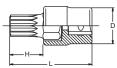


4020-60 (MH)



Bit Socket for Triple Square with hole Vaso con Punta para Tornillos XZN con agujero



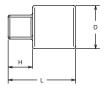


3110M • 3110A 

4-point Male Sockets Vasos con Macho Cuadrado





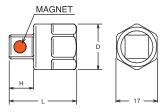




3110MGH 4-point Male Sockets Vasos con Macho Cuadrado







4110M • 4110A • 4-point Male Sockets Vasos Macho Cuadrado







4109M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19	1/2"	31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series For Lubrication service

4111M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M For Lubrication service

4020.60 (XZN)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
MH16	1/2"	24	20	60	135	10



4020-60-MH16 Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M (mm)		D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)
6		18	10	28	30	10
8	3/8"	18	10	28	30	10
10	3/6	18	10	28	33	10
12		18	10	28	37	10
3110A	_ <u>_</u>	D	н	L	A 7A	

3110A (inch)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
5/16		18	10	28	30	10
3/8	3/8"	18	10	28	33	10
1/2		18	10	28	37	10

3110MGH (mm)	$\square$	D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
8	2/0"	19	10	28	31	10
10	3/0	19	10	28	33	10

4110M (mm)		D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
8		24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13	1/2"	24	10	32	66	10
13.5	ш	24	10	32	67	10
14		24.2	10	32	68	10
19		25	15	37	101	10
20		26	15	37	114	10

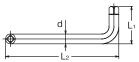
4110A (inch)		D (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	1/0"	24	10	32	62	10
1/2	1/2	24	10	32	64	10

For Lubrication Service Para Lubricación 

158	L <sub>1</sub>	L <sub>2</sub>	d	₫Д	∭
(mm)	(mm)	(mm)	(mm)	(g)	(pce.)
8S×10S	63	230	13	319	1

3012M.25 (mm)	$\square$	D (mm)	L (mm)	₫₫ (g)	(pcs.)
14	2/0"	19	25	30	10
17	3/0	19	25	30	10

106 Drain Plug Keys 8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H



3012M-25



Inhex Sockets Vasos con Punta Hexagonal





Drain Plug Keys Set Juego de Llaves de Tapón de Vaciado 







4-point / 6-point Male bits Puntas Macho Cuadrado / Hexagonal

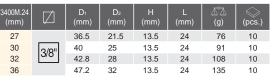














(mm) 8S×10S

8H×3/8H

10H×11H

12H×13H

14H×17H

19H

1/2"

METAL CASE:W190×H59×T45mm

4102 Drain Plug Key Adaptor



Push and Pull-Ratchet Set
Juego de Llave de Carraca de Empuje y Tracción



1206

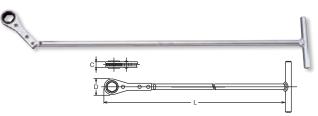
145I H3/8I

10S

CARDBOARD BOX

150.14H Sockets 12, 14

154K Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción



154K (mm)	L (mm)	D (mm)	C (mm)	₫¼ (g)	(pce.)
14	480	24.6	9	280	1

154K-14

**150-14H** O Socket, For 154K Vasos

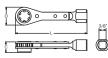




150.14H (mm)	D (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

25







This item has less strength due to the special design.

100

3/8"

Belt Tension Pulley Wrench For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt tension pulley.

90

10

15.5

3 Pieces Set/\$\tilde{\bigs\_320g}

4282 Generator Service Set







Generator Service Set For removing and installing belt pulley at the generator.

1210 • 1210E Door Hinge Wrench Set Juego de Llave de Bisagra de Puerta



1210	8 Pieces Set/ቆ =450g
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12	145KD-12
179B.12H XZN Bits M6, M8, M10, M12	
179B.12H TORX® Bit T45	







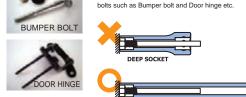
For Air Bag
For air-bag unit in hard to reach places in or around the steering wheel.

Tamper Resistant TORX® Bit Sockets have less strength.

0



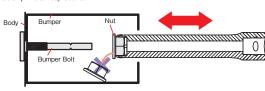








EXTRA DEEP SOCKET







169/2

169

1212 Screwdriver Set Destornilladores, juego de 4 piezas



Screwdrivers Destornilladores 168T (250) 🛊 🕸

Door Trim Pad Tool Herramienta de Forro de Puerta

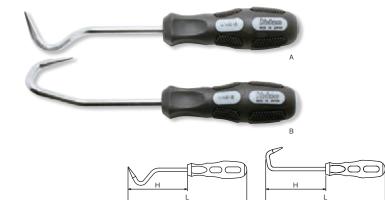
Door Trim Pad Tool, 2 pieces Set Herramienta de Forro de Puerta, juego de 2 piezas



Window Molding Remover Extractor de Burletes de Ventana **169WM** 



Hose Remover, 2 pieces Set Extractor de Mangueras, juego de 2 piezas 169HR/2 Hose Remover Extractor de Mangueras **169HR** 



169BP For Battery Screws 1212 4 Pieces Set/ὧື⊒=380g PLASTIC BAG 168T(250) 20IPR 168T(250) T20, T25, T30 Long shank Screw Screwdriver



169/2	2 Pieces Set/⊿ື⊿=200g
PLASTIC BAG	
	Clip Handles
	169
	6, 10

360

120

T30

169	H (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
6	115	215	80	2
10	120	230	110	2
4			Clip Handle	



ı		H (mm)	(mm)	⊕ ⊕ (g)	(pcs.)
	169WM	100	210	90	2
			Window Moldin	ng Remover	

169HR/2	_	2 Pieces Set/ὧື⊒=180g
PLASTIC BAG		
	Hose Remover	
	169HR A, B	

169HR	H (mm)	L (mm)	₫∄ (g)	(pcs.)
Α	100	200	75	2
В	100	200	90	2



169BP	T×W (mm)	H (mm)	L (mm)	₫¯Д (g)	(pcs.)
1.8×13	1.8×13	50	150	60	2





TORX\* is a registered trademark of CAMCAR Innovations\*.
TORX\* es una marca registrada de CAMCAR Innovations\*.

TORY is a registered trademark of CAMCAR Innovations. TORY es una marca registrada de CAMCAR Innovations.

4425 (E)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pcs.)
E10N		13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N	1/2"	16.5	21	10.6	37	50	10
E16N	1/2	19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10





Engine type : QR/MR Flywheel bolt for NISSAN: E20N

13145A.150 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	∆ d d d d d d d d d d d d d d d d d d d	(pce.)	(1)
9/16(D20)		19	13	150	130	5	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 -> P270-271

14145A.150 (inch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	∆ d d d d d d d d d d d d d d d d d d d	(pce.)	(1)
9/16(D20)	1/2"	20	25	13	150	200	5	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 -> P270-271

For Land Rover Prop Shaft

		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)	ⅆ
13772-B	3/8"	22	19	75	120	5	*1
13772-P	3/8	22	19	75	120	5	*1
14772-B	1/2"	27	25	90	230	1	*2
14772-P	1/2	27	25	90	230	1	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 \*2 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271







13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

14305M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	Д°Д (g)	(pcs.)	(D)
30		42	30	30	63	85	457	10	*2
32	1/2"	42 44.5	30	32	63	85	542	10	*2
26	$\overline{}$	40 E	20	26	61	0.5	625	2	*2

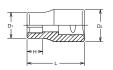
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271



4101	Ø	T×W (mm)	D (mm)	L (mm)	₫¼ (g)	⇔ (pcs.)
1		2.7×18.6	22	40	59	10
2	1/2"	3.7×24	24	40	79	10
3	ш	3.7×30	30	40	128	10
-	1/2"					

	$\square$	T×W (mm)	D (mm)	L (mm)	₫Д (g)	(pcs.)	
6101	3/4"	6.4×33.5	35	50	205	5	

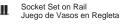






RS4425/6-N () .....







13145A-150 14145A-150



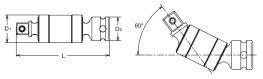
Extra Long Sockets Vasos Extra-Largos







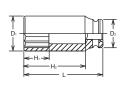




# 14305M ()



12-point Deep Sockets Vasos Bihexagonales Largos

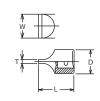




4101 • 6101



Sockets for Slotted Heads Vasos para Cabeza Ranurada



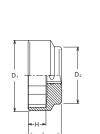


RENEWAL KITS CONSTRUCTION AUTOMOTIVE PROTECTOR INDUSTRIALES SLEEVE-DRIVE IMPACT SCREWDRIVERS ACCESSORIES TITANIUM HAND MANUALES

DE IMPACTO DESTORNILLADORES ACCESORIOS DE TITANIO MANUALES

4400M-DU Rear Wheel Nut Socket





41DU 15 28 1/2" 46DU 28



4405M-DU Rear Wheel Nut Socket





4405M	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
36DU	1/0"	47.3	41	15	28	200	5
55DU	1/2	71	52	16	31	410	5

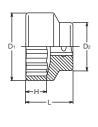




6405A-MV Rear Wheel Nut Socket







2.3/16MV 3/4" 74.6 53



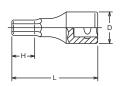


4012M-43



Inhex Sockets Vasos Inhex





4012M.43 (mm)		D (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
20		26	11.5	43	130	10
21		26	11.5	43	140	10
22	1/2"	26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10







	D (mm)	d (mm)	L (mm)	Д°Д (g)	(pcs.)
155	22	10	170	100	10

104M (mm)

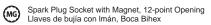
9.5

26.5

22.5

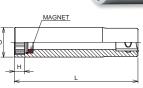
18.5

### 3305P-12

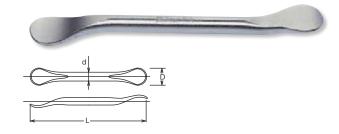








Tyre Lever Llave de Neumáticos 









157H (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	₫Д (g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
			<b>→</b> 7	
157P	L <sub>1</sub>	L <sub>2</sub>	∆`∆	/**S

157P (PH)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	ДĨД (g)	(pce.)
2	200	180	84	1
3	300	180	189	1
157T (T)	L <sub>1</sub>	L <sub>2</sub>	(a)	∭ (nce )

157T (T)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	ДД (g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

For Inhex Screws Para Tornillos de Seis Lados en el Interior (Inhex) 157H

For PH Screws Para Tornillos PH 157P

For TORX® Screws Para Tornillos TORX® 157T



### 14201M 14145PM-110 ()

Wheel Nut Sockets Set Juego de Vasos para Rueda



Wheel Nut Sockets Vasos para Rueda







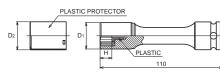
A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.

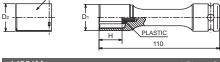
The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

### 









PLASTIC PROTECTOR

14201M	3 Pieces Set/△□=690g
CARDBOARD BOX:W125×H95×T34mm	
Sockets	
14145PM.110 Impact Wheel Nut Sockets 17, 19, 21	

14145PM.110 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	Shaft Colour	ДĨД (g)	(pcs.)	(V)
17		23.8	25.2	21		208	5	*1
19	1/2"	25.8	27.2	23		219	5	*1
21	1/2	27.6	29	25		226	5	*1
22		29	30.5	26		238	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 -> P270-271



Impact Wheel Nut Sockets-Extra Thin wall

Special design for wheel nut work.

-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.

-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy. -Plastic insert helps prevent damaged to wheel nut.

Please note that thin walled design is only for wheel nut work and Torque rating

198-17 : Spare Plastic Protector for 14145PM.110-17 : 10 pcs.
198-19 : Spare Plastic Protector for 14145PM.110-19 : 10 pcs.
198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs.
198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.

14145M.110 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	₫₫ (g)	(pcs.)
17MB	1/2"	25.7	27.2	11.5	256	5



Mercedes Benz Wheel Bolt

### 280PM



Adaptor Socket for Low Profile Wheel Nut Vaso Adaptador para tuercas de Llantas de perfil bajo



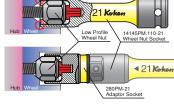
280PM (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Shaft Colour	₫¼ (g)	(pcs.)
19	25.8	27.2	13	19	52		150	5
21	27.6	29	13	21	55		180	5



Detachable plastic protector is fitted to the adaptor on the wheel.

The Plastic insert locate inside of the adaptor helps prevent damage to wheel nut.

Colour coded band make size identification easy



Diseñado para Vasos de Tuercas de Llantas de perfil bajo Protector plástico desmontable es ajustado al adaptador para proteger la superficie pintada o con recubrimiento superficial de la llanta

El inserto plástico localizado dentro del adaptador, protege la tuerca de la llanta

La banda coloreada consigue una fácil identificación de la









Please note that thin walled design is only for wheel nut work and Torque rating

4300M(L60) (mm)		D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫¼ (g)	(pcs.)
17		23.8	25	21	60	98	10
19	1/2"	25.8	25	21	60	100	10
21	ш	27.6	25	21	60	102	10



1/2"

140

280

350

945

4711X

Wheel Nut Sockets

Please note that thin walled design is only for wheel nut work and Torque rating is limited.



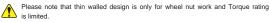
# 4300M (L110) 🔘



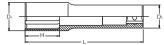
Wheel Nut Sockets (Long) Vasos para Ruedas (Largos)



4300M(L110) (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)
17		23.8	22	32	110	155	5
19	1/2"	25.8	22	32	110	170	5
21	1/2	27.6	22	32	110	165	5
22		29.1	22	32	110	165	5



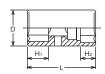






14118M O Wheel Nut Sockets, Double Ended Vasos para Rueda, Dos Bocas





17×19 19×21 19×21 19×22 1/2" 31 17.5 13 48 150 10 10×22 1/2" 31 17.5 15 57 187 10	14118M (mm)	Ø	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
19×21 1/2 31 17.5 13 57 177 10	17×19		28	15.5	13	48	150	10
19×22 31 17.5 15 57 187 10	19×21	1/2"	31	17.5	13	57	177	10
10^EE 01 17.0 10 07 107 10	19×22	ш	31	17.5	15	57	187	10

14218M ()

Wheel Nut Sockets, Double Ended with Extension Bar Vasos para Rueda, Dos Bocas con Alargado





14218M CARDBOARD BOX O 14118PM 19x21 口回 14760ST-B

Interchangeable Wheel Nut Socket of 19mm and 21mm.

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

Socket is not completely locked with the Ball-type connection. Please beware of accidental socket release

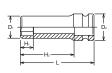
Wheel Nut Sockets, Double Ended with Extension Bar Vasos para Rueda, Dos Bocas con Alargado 14219M ()





Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts Vasos de Impacto, de Aleación de Áluminio, para tuercas de rueda de aluminio



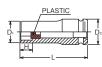


AN14300 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
17		25.7	30	17	62	80	85	10	*2
19	1/2"	25.7 28.2 30.7	30	19	61	80	89	10	*2
21	ш	30.7	30	21	61	80	93	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P270-271

Impact Sockets with Plastic Stops for Hub Cap Screws Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos 14113J ()





14113J (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	(I)
17		25.7	30	14	80	251	10	*2
19	1/2"	28.2	30	16	80	286	10	*2
21	ш	30.7	30	20	80	309	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 -> P270-271

14113M ()

AN14300



For Hub Cap Screws Para Tornillos de Tapacubos



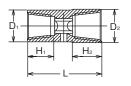
Ĭ.	······////////////////////////////////
	←H→
,	←——L——>

14113M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pcs.)	(1)
17		25.7	30	34	80	230	10	*2
19	1/2"	28.2	30	38	80	262	10	*2
21		30.7	30	42	80	285	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 > P270-271

14124 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
21×24.5 26×27.5	1/2"	28	29.5	24	25	65	157	10
26×27.5	1/2	31.5	35	24.5	24.5	65	197	10

14124 O Lock Nut Busters (Double Ended) Tronzador de Tuercas (Dos Bocas)





14124/3 3 Pieces Set/ = 580g

CARDBOARD BOX:W125×H91×T43mm

Sockets Accessory

14124
21×24.5
26×27.5



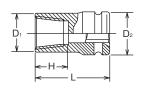
14124/3 O Lock Nut Busters (Double Ended) in set Juego Tronzador de Tuercas (Dos Bocas)



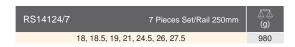
(g) 20.5 \*1 \*1 18.5 20.5 \*2 1/2" \*2 20.5 24.5 29.5 \*2 \*2 31.5 27.5 \*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 →P270-271







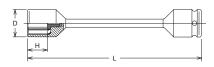












As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

	14101MP (mm×Nm)	D (mm)	H (mm)	L (mm)	Shaft Color	(pcs.)	(1)
_	17× 95Nm	25	16	214		10	*1
_	17×110Nm	25	16	204		10	*1
_	17×120Nm	25	16	203		10	*1
_	19× 90Nm	27	18	259		10	*1
•	19×100Nm	27	18	233		10	*1
1	19×120Nm	27	18	204		10	*1
•	19×140Nm	27	18	199		10	*1
_	21×100Nm	29	22	216		10	*1
1	21×120Nm	29	22	205		10	*1
•	22×150Nm	30	22	220		10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271





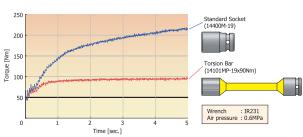


Torque table included in delivery.

#### Torsion Bars

- Designed for tightening wheel nuts with an impact wrench.
   Prevent the excessive torque road.
   Colour coded shafts make size identification easy.





14112



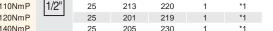
Torsion Extension Bars (for tightening only)
Alargaderas de Torsíón (solamente para apriete)

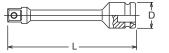




14112		D (mm)	L (mm)	₫Д (g)	(pce.)	(D)
90NmP		25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP	1/2"	25	213	220	1	*1
120NmP		25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271





14101M ()



Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)

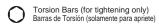




	101M n×Nm)		D (mm)	H (mm)	L (mm)	Д¯Д (g)	(pce.)	(I)
17×	60Nm		25	16	216	227	1	*1
. 17x	75Nm		25	16	228	240	1	*1
/ 17x	95Nm		25	16	214	256	1	*1
/ 17x	110Nm		25	16	204	285	1	*1
/ 17×	120Nm		25	16	203	284	1	*1
New 17×	140Nm		25	16	200	290	1	*1
/ 19×	60Nm		27	18	219	237	1	*1
/ 19×	90Nm	1/2"	27	18	259	275	1	*1
/ 19×	110Nm		27	18	214	278	1	*1
/ 19×	120Nm		27	18	204	297	1	*1
/ 19×	135Nm		27	18	204	339	1	*1
/ 19×	170Nm		27	18	193	332	1	*1
21 x	100Nm		29	22	216	288	1	*1
21 x	120Nm		29	22	205	288	1	*1
22x	160Nm		29	22	210	385	1	*1

<sup>\*1</sup> C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271







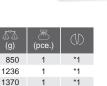


24

27

32

33



50 \*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

38.8

42.5

48.8

24×180Nm

27×450Nm

32×600Nm

33×600Nm

3/4"

As the torque could vary with the type and the condition of the impact wrench, we As the torque could vary with the type and the control with a torque wrench.

235

280

280

280

1370

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

	18101M (mm×Nm)	$\square$	D (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)	ⅆ
	24×350Nm		43.5	24	300	1380	1	*1
	27×350Nm		47	27	300	1401	1	*1
	27×450Nm		47	27	300	1579	1	*1
	30×500Nm		51	30	300	1563	1	*1
	32×450Nm		53.5	32	300	1600	1	*1
	32×550Nm		53.5	32	300	1602	1	*1
	32×600Nm	1"	53.5	32	300	1602	1	*1
Nev	32×650Nm	ш	51.5	32	300	1620	1	*1
	32×700Nm		51.5	32	300	1630	1	*1
	33×550Nm		55	33	300	1638	1	*1
	33×600Nm		55	33	300	1638	1	*1
Nev	33×650Nm		52.8	33	300	1650	1	*1
	36×600Nm		58.5	36	300	1718	1	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 > P270-271

6102M-400 8102M-400

Extra long Sockets for Wheel Nuts Vasos de para Rueda Extra-largos



6102M.400 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	40	14	400	1880	1
32	3/4"	48.5	40	32	400	1480	1
33	ш	49.8	40	32	400	1500	1

8102M.400 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫Д (g)	(pce.)
41W×21W		58	49.9	14	400	2610	1
32	1"	48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1

6102M/8102M are for hand use only. Do not use with a poweror impact wrench.

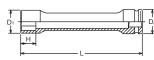




Extra long Socket for wheel nut

18102M-270 · -400 (





16102M.270 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(D)
24		38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32	3/4"	48.8	44	32	270	1157	1	*1
33	3/4	50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

18102M.270 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	(1)
23		37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30	4"	46	54	30	270	1680	1	*1
32		48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1
41		60	54	32	270	1800	1	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

16102M.400 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	(D)
24		38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30	3/4"	46.3	44	30	400	1510	1	*1
32	3/4	48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

<sup>\*1</sup> C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

18102M.400 (mm)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫₫ (g)	(pce.)	(D)
23		37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30	1"	46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1
*4.0.0					-			

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

621 32×17 47 44 12 75 35×17 50 44 12 75 655 2 44 705 2 \*1 38×20 55 12 75 41×19 58 44 12.5 80 813 2 \*1 41×20 58 44 12.5 80 813 2 41×21 58 44 12.5 80 779 2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

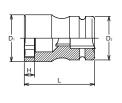
PW8P (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Shaft Color	₫Д (g)	(pcs.)	(D)
35×17	50	54	12	83		867	2	*1
38×20	55	54	12	83		941	2	*1
41×19	58	54	12.5	87		1033	2	*1
41×20	58	54	12.5	87		1033	2	*1
41×21	58	54	12.5	87		997	2	*1

<sup>\*1</sup> C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

### PW6P PW8P



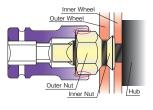
Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna

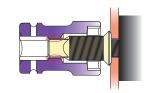




Tightening / Loosening Outer Nut

Tightening / Loosening Inner Nut





**PW8P/4** 



Socket set of Rear Wheel Nut Sockets Juego de Vasos de Tuerca de Rueda Interna







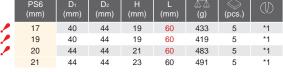
Rear Wheel Nut Socket (long) Vasos de Tuerca de Rueda Interna (largos)



PW8P/4 4 Pieces Set/ =4,250g
CARDBOARD BOX:W240×H95×T70mm
Sockets
PW8P Impact Rear Wheel Nut Sockets
35x17, 38x20, 41x19, 41x21

PW8L (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¯₫ (g)	(pce.)	(1)
41×21 1"	58	54	15	105	1263	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

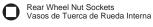


\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271

	PS8 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Д¯Д (g)	(pcs.)	ⅆ
1	17	40	54	19	65	621	2	*1
1	19	43	54	19	65	648	2	*1
	20	45	54	21	65	687	2	*1
_	21	45	54	23	65	696	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271









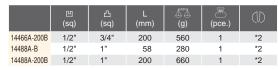
### 14466A-200B 14488A-B · -200B

Adaptors Adaptadores

No Warranty Sin Garantía







\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271



# 16316M • 16316A © Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna



18316M · 18316A 🔘





16316M (mmxmm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	ℴ
35×17		52	44	10	90	865	1	*1
38×20	3/4"	56	44	13	100	952	1	*1
41×19	3/4	59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 -> P270-271

16316A (inchxinch)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¾ (g)	(pce.)	Ѿ
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16317M · 16317A



Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna

18317M · 18317A



16317M (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫'∆ (g)	(pce.)	ⅆ
17		40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20	3/4"	44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

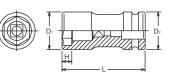
16317A (inch)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
13/16	3/4"	44	44	22.5	67	489	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 >P270-271

14466A-B / 14488A-B	
Impact Adaptors (四1/2" SQ.→凸3/4".	1" SQ.)

For temporary fastening a wheel nut socket for large vehicle with a light duty 1/2" SQ. DR. Impact wrench.

Socket is not completely locked with the Ball-type adaptor connection. Please beware of accidental socket release.

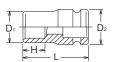


18316M (mmxmm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(1)
35×17		52	54	10	108	1153	1	*1
38×20	4"	56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

18316A (inchxinch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	(D)
1.1/2×13/16	1"	59	54	13	108	1120	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



18317M (mm)		D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫¼ (g)	(pce.)	W
17		40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20	1"	45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

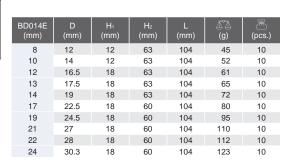
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

18317A (inch)	$\square$	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pce.)	W
13/16	1"	45	54	22.5	72	703	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 -> P270-271

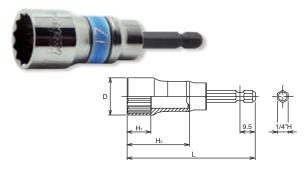






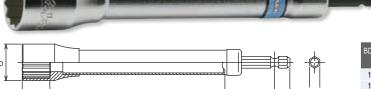


12-point Nut Setters Vasos Bihex para Apretar Tuercas



BD014SE (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

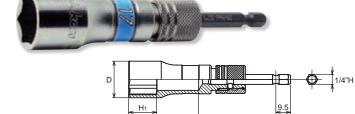
## BD008E-165 (12P) 12-point Nut Setters, Extra Long Vasos Bihex para Apretar Tuercas



BD008E.165 (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
17(12P)	22.8	17	110	165	105	10
19(12P)	24.8	17	110	165	135	10
21(12P)	27.3	17	110	165	142	10

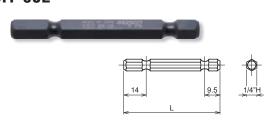
### **BD042E** O

6-point Nut Setters, deep (Exchangeable Drive Shank)



BD042E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
17	23.5	18	45	111	114	10
19	25.5	18	45	111	119	10
21	28	18	45	111	132	10
24	31.5	18	45	111	147	10

#### BIT-60E



	L (mm)	Д¯Д (g)	(pcs.)
BIT-60E	60	10	10

BD014XE (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫∄ (g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

BD014E (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

## **SURFACE DRIVE**

17(12P)

22.8

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

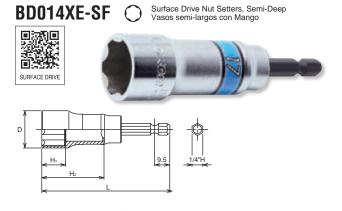
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

BD011SE (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	Д¯Д (g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

645

700

292

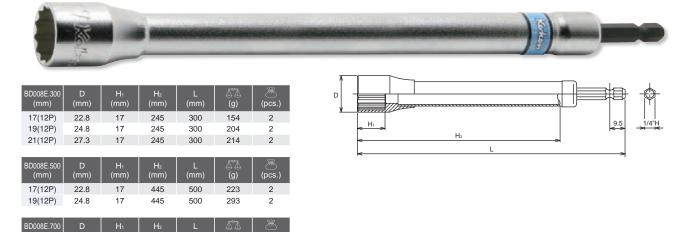




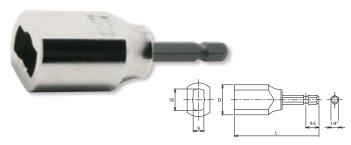
12-point Universal Joint Nut Setters Vasos Bihex para Apretar Tuercas con Articulación Universal BD011SE



BD008E-300 · -500 · -700 (12P) 12-point Nut Setters, Extra Long Vasos Bihex para Apretar Tuercas

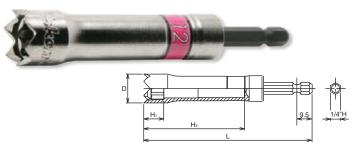


### **BD003E-I**



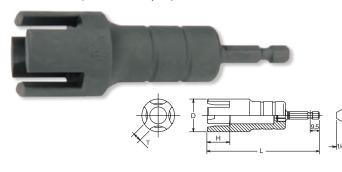
	D (mm)	L (mm)	₫¼ (g)	(pcs.)
BD003E-I	25	70	95	10

### **BD013E**



BD013E (mm)	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	L (mm)	₫Д (g)	(pcs.)
12	17.8	12.5	63	105	69	10

#### Wing Bolt Socket for Electric Drill Vaso para Tuerca de Orejetas para Taladro eléctrico **BD017E**





	D (mm)	T (mm)	H (mm)	L (mm)	₫'∆ (g)	(pcs.)
BD017E	31	7.3	21	104	158	10

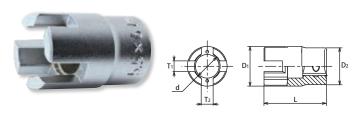
#### Wing Bolt Socket Vaso para Tuerca de Orejetas **BD018**



		D (mm)	T (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(1)
BD018	3/8"	31	7.3	21	45	113	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

#### Wing Bolt Socket Vaso para Tuerca de Orejetas 3119



3119 (mm)	Ø	T <sub>1</sub> ×T <sub>2</sub> (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	d (mm)	L (mm)	Д¯Д (g)	(pcs.)
3 ×5	2/0"	3 x5	17	17.3	11	30	30	10
5.5×6	3/6	5.5×6	21	19.5	14	33	45	10





For Wing Bolt Para Tuercas de Mariposa

For Drain Plug in Radiator Para conectores de drenaje en Radiadores

BD023E		D (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

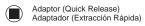
BD024E		D (mm)	L (mm)	₫Д (g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10



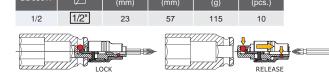
**BD024E** Universal Adaptors Adaptadores Universal











You may not hold the sliding part while moving to avoid heating up by friction and You may no. ... reduction by wear.

123PN.65 123PG.65 (PH)	D (mm)	L (mm)	ДД (g)	∭ (pcs.)
1	6.35	65	13	10
2	6.35	65	13	10
3	6.35	65	14	10
123PN.110	D	L	A"A	黑

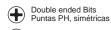
123PN.110 123PG.110 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

123PN.150 123PG.150 (PH)	D (mm)	L (mm)	₫Д (g)	(pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

Groove position: Japanese model

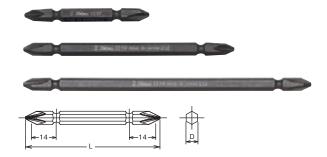
	D	H₁	H <sub>2</sub>	G	L	ATA	寒
184E.64	(mm)	(mm)	(mm)	(mm)	(mm)	(g)	(pcs.)
3/8×24UNF	12.5	14.5	13	9.5	64	34	10
1/2×20UNF	12.5	15.5	13	9.5	64	40	10
184.64	D (mm)	H₁ (mm)	H <sub>2</sub> (mm)	G (mm)	L (mm)	₫∄ (g)	(pcs.)
3/8×24UNF	12.5	14.5	13	14	64	34	10
1/2×20UNF	12.5	15.5	13	14	64	40	10

123PN-65 · -110 · -150



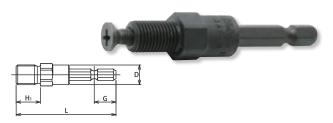
123PG-65 · -110 · -150





**184E.64** Drill Chuck Adaptor Adaptador porta-brocas para Taladro

184.64 Drill Chuck Adaptor Adaptador porta-brocas para Taladro



3/8×24UNF 85 10 1/2"

44

88

10

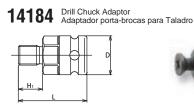
22



15.5

1/2×20UNF









		$\supset$	101	1
D <sub>1</sub> -		du	₩	- D:
	7111111		₩ <u></u> .	
	l			
	-			

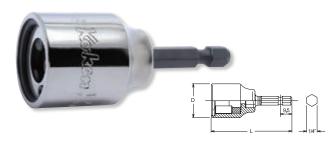
D₁ (mm) D<sub>2</sub> (mm) 12.5×10 236 \*1 30 25 70 5 12.5×13 1/2" 38 30 75 388 5 \*2 12.5×16 38 30 75 369 \*2 5 20 ×19 48 44 90 775 \*3 20 ×22 \*3 48 44 90 752 2 3/4" 20 ×25 62 44 95 1184 2 \*3 \*3 20 ×29 62 44 95 1148 2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 \*3 C-Ring=C61, Pin/O-Ring=A61/B61

→P270-271



162E O	Stud Setters Vasos de Atornillar Espárragos
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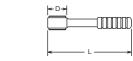
162E	D	L	ДĨД	(pcs.)
(mm)	(mm)	(mm)	(g)	
10	28	66	107	10

162E (inch)	D (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

\*Renewal Kits → 162RK → P323

#### Stud Puller Ratchets Extractores de Espárragos de Carraca **141S**





Stud Puller Ratchet (141S/141/141P) The three roller system can protect the studs from damage.

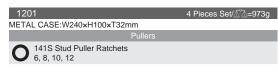
El sistema de tres rodillos puede proteger los espárragos de cualquier daño

141S (mm)	D (mm)	L (mm)	₫∄ (g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

ı	141S (inch)	D (mm)	L (mm)	Д¯Д (g)	(pce.)
	5/16	28	120	150	1
	3/8	32	120	153	1
	1/2	32	120	152	1

#### Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca 1201





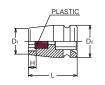


BD14400MJ (mm)	$\square$	D₁ (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	₫∄ (g)	(pcs.)	(D)
13		20.7	25	5	38	140	10	*1
15	1/2"	23.2	30	5	38	145	10	*2
17	1/2	25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 \*2 C-Ring=C42, Pin/O-Ring=A42/B42

### BD14400MJ ()

6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje



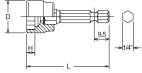


#### (g) 19.5 50 43 13 10 17 24.5 50 56 10 5 19 50 68 10

## **BD016E** ()

6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje





#### H (mm) D (mm) (g) 13 19.5 5 60 66 10 17 24.5 6.5 60 80 10

10

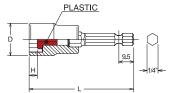
19

27

## BD016JE

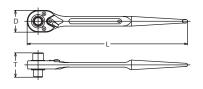
6-point Sockets for Anchor Screws Vasos Hexagonales para Pernos de Anclaje





1708 O Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

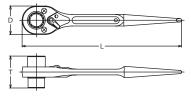




170S (mm)	D (mm)	T (mm)	L (mm)	Д <sup>™</sup> Д (g)	(pce.)
10×12	34	38	250	260	1
10×13	34	38	250	260	1
10×14	34	38	250	260	1
11×13	34	38	250	260	1
12×14	34	38	250	260	1

1718 O Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)

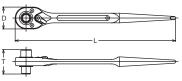




171S (mm)	D (mm)	T (mm)	L (mm)	Д <sup>™</sup> Д (g)	∭ (pce.)
13×17	44.6	50	250	460	1
14×17	44.6	50	250	460	1
17×19	44.6	50	250	460	1
17×21	44.6	50	250	460	1
17×22	44.6	50	250	460	1
19×21	44.6	50	250	460	1
19×22	44.6	50	250	460	1

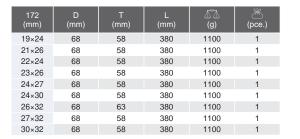
Spud Handle Ratchets(Long) Llaves de Carraca con Mango de Cola(Largas)

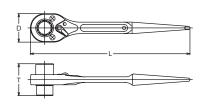




171 (mm)	D (mm)	T (mm)	L (mm)	₫Д (g)	(pce.)
13×17	44.6	50	380	630	1
14×17	44.6	50	380	630	1
17×19	44.6	50	380	630	1
17×21	44.6	50	380	630	1
17×22	44.6	50	380	630	1
19×21	44.6	50	380	630	1
19×22	44.6	50	380	630	1

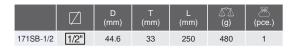


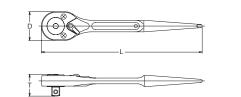




#### Spud Handle Ratchet with Push Button(short) Llave de Carraca con Mango de Cola con Botón(corta) 171SB-1/2



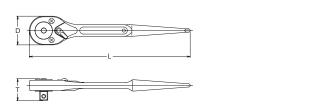




#### Spud Handle Ratchet with Push Button(Long) Llave de Carraca con Mango de Cola con Botón(larga) 171B-1/2



		D (mm)	T (mm)	L (mm)	Д¯Д (g)	(pce.)
171B-1/2	1/2"	44.6	33	380	650	1





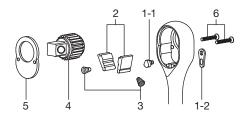
Ko-ken welcomes customer enquiries for special tools. New items can be designed and manufactured according to customers requirements. Please enquire through your distributors.

Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes.

Productos nuevos pueden ser diseñados y fabricados de a cuerdo a sus necesidades. Por favor haga su solicitud a través nuestra red de distribuidores.



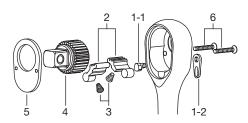




1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover Plate
6	Screw

		Products	₫ <u>¯</u> (g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK	_	3749S, 3749N	70	1
3749BRK	3/8"	3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 3774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2		3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK	1/2"	4749N-250, 4749N-380, 4749J-380	130	1
4753RK		4753N/P/J, 4753P-410, 4774N/P/J, 4774P-450	130	1
4753BRK		4753NB/PB/JB, 4774NB/PB/JB	130	1
6749RK	3/4"	6749, 6749-1000	580	1
8749RK	1"	8749, 8749-1000	800	1

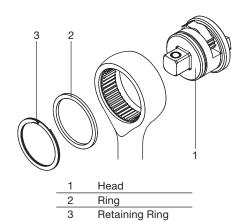




1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover Plate
6	Screw

		Products	₫¼ (g)	(pce.)
4750RK	1/0"	4750N/P/J	130	1
4750BRK	11/21	4750NB/PB/JB	130	1

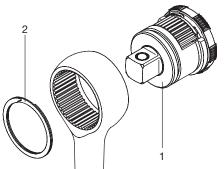




		Products	₫¼ (g)	(pce.)
2752RK	1/4"	2752N	42	1

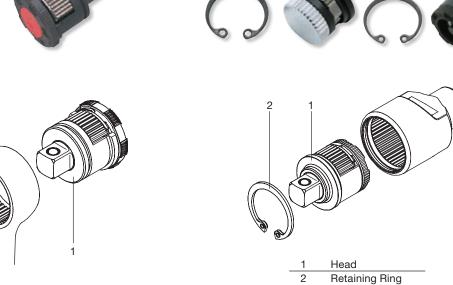






Head 2 Retaining Ring

		Products	₫∄ (g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1

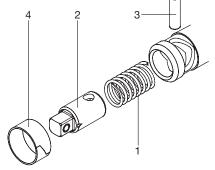


		Products	Д¯Д (g)	(pce.)
2755RK	1/4"	2755	40	1
3755RK	3/8"	3755	98	1
4755RK	1/2"	4755	137	1
6755RK	3/4"	6755	550	1



		Products	₫¼ (g)	(pce.)
6752RK	3/4"	6752	600	1

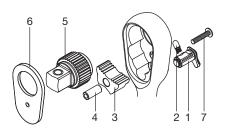




1	Spring
2	Square Drive
3	Pin
4	Retaining Ring

	Ø	Products	₫¼ (g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1



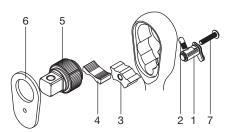


_ 1	Reversion Lever		
2	Pin+Spring		
3	Pawl		
4	Sleeve		
5	Square Drive		
6	Cover Plate		
7	Screw		

#### For 36 Tooth

		Products	₫¼ (g)	(pce.)
2725RK-1	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-1(3/8)	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
3725RK-1	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK-1	1/2"	4725Z	120	1





_ 1	Reversion Lever		
2	Pin+Spring		
3	Pawl (Large)		
4	Pawl (Small)		
5	Square Drive		
6	Cover Plate		
7	Screw		

#### For 72 Tooth

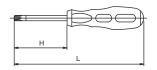
	$\square$	Products	₫∄ (g)	(pce.)
2725RK-2	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-2(3/8)		2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
2725BRK-1(3/8)	0/01	2725ZB-3/8, 2725ZB-3/8(L160), 2726ZB-3/8, 2726ZB-3/8(L160)	45	1
3725RK-2	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
3725BRK-1		3725ZB, 3725ZSB, 3725ZB-280, 3726ZB, 3726ZSB, 3726ZB-280	50	1
4725RK-2	1/2"	4725Z	120	1
4725BRK-1	1/2	4725ZB	120	1



72 Tooth RK do not fit on 36 Tooth Ratchet.

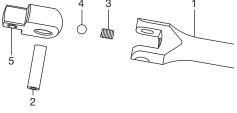


TORXPLUS® 6IP Screwdriver for 2725RK TORXPLUS® 8IP Screwdriver for 3725RK TORXPLUS® 10IP Screwdriver for 4725RK



168T (IP)	H (mm)	L (mm)	₫Д (g)	(pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1

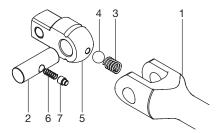




1	Body	
2	Pin	
3	Coil Spring	
4	Ball	
5	Square Drive	

	$\square$	Products	₫∄ (g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1



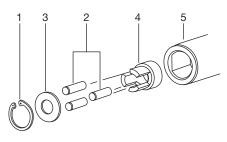


1	Body
2	Pin
3	Coil Spring
4	Ball
5	Square Drive
6	Coil Spring
7	Plunger



		Products	₫Д (g)	(pce.)
3768RK	0/011	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK	3/8"	3768Z-250/400	40	1
4768RK	1/2"	4768N-300/380/450/600, 4768N-380/ 450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK	1/2	4768Z-430	137	1
6768RK	3/4"	6768, 6768-600, 6768-1000	175	1
8768RK	1"	8768, 8768-1000	465	1





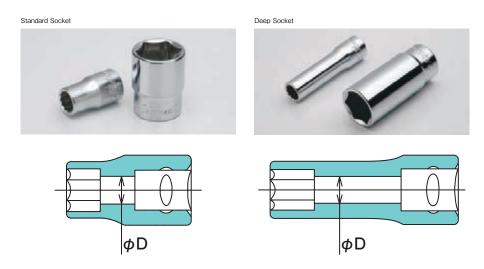
1	Retaining Ring
2	Roller
3	Cover
4	Cage
5	Body

4100MRK (mm)	$\square$	Products	(pce.)
6		4100M-6	1
7		4100M-7	1
8		4100M-8	1
9		4100M-9	1
10	1/2"	4100M-10	1
10.5	1/2	4100M-10.5	1
11		4100M-11	1
12		4100M-12	1
14		4100M-14	1
16		4100M-16	1

4100ARK (inch)	$\square$	Products	(pce.)
1/4		4100A-1/4	1
5/16		4100A-5/16	1
3/8		4100A-3/8	1
7/16	1/2"	4100A-7/16	1
1/2		4100A-1/2	1
9/16		4100A-9/16	1
5/8		4100A-5/8	1

6100MRK (mm)	Ø	Products	(pce.)
18		6100M-18	1
20		6100M-20	1
22		6100M-22	1
24	3/4"	6100M-24	1
27	3/4	6100M-27	1
28		6100M-28	1
29		6100M-29	1
30		6100M-30	1

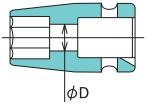
162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

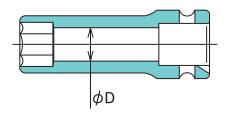


SOCKET		1/4	"O	3/8	"O	1/2	"O	3/4	1" <b>O</b>				
SOC	KEI	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard			
	$\mathcal{C}$	2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A			
	$\mathcal{C}$	2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A			
(mm)	(inch)					φD							
3	1/8	2.5	2.5										
4		3	3										
4.5		3.5	3.5										
5.5	3/16 7/32	4.5	4 4.5	4.5	4.5								
6	1/32	4.5	5	5	5								
7	9/32	6.2	6	5.5	6								
8	5/16	6.2	7	6	7	6	7						
9	11/32	8.3	8.3	7	8	7	8						
10	3/8	9.4	9	8	9	8	9						
11	7/16	10	10	9	10	9	10						
12		10	11	10	11	10	11						
13	1/2	11.5	12	11	12	11	12						
14	9/16	13	13	13.5	13.5	12	13						
15 16	19/32 5/8			13 14	14 15	13 14	14 15			+			
17	21/32			15	16	15	16	15	16				
18	11/16			15	17	15	17	15	17				
19	3/4			16	18	18	18	16	18				
20	25/32			17	19	18	19	17	19				
21	13/16			18	20	18	20	18	20				
22	7/8			19	21	19	21	19	21				
23				20	22	20	22	20	22				
24	15/16			21	23	21	23	21	23				
25	4			22	24	22	24	22	24				
26 27	1 1- 1/16			23	25 26	23 23	25 26	23 23	25 26	23			
28	1- 1/10				20	24	27	23	27	24			
29	1- 1/8					24	28	24	28	24			
30	1- 3/16					25	29	25	29	25			
31						26	30	26	30	26			
32	1- 1/4					27	31	27	31	27			
33	1- 5/16					28	32	28	32	28			
34						29	33	29	33	29			
35	1- 3/8					30	34	30	34	30			
36 37	1- 7/16					31 31	35 36	31 31	35 36	31			
38	1- 1/16					31	36	31	36	31			
39	1- 1/2					32	31	32	38	32			
40	1- 9/16							33	39	33			
41	1- 5/8							34	40	34			
42								34	41	34			
43	1-11/16							35	42	35			
44	1- 3/4							36	43	36			
45	4 40/45							36	44	36			
46	1-13/16							37	45	37			
47 48	1- 7/8							38 38	46 47	38			
40	1-15/16							38	48	38			
50	2							40	49	40			
- 00	2- 1/16							40	-10	10			
	2- 1/10		<u> </u>		1	l	1	U		1			









SOCKET		1/4"	3/8	"O	1/2	"O	3/4	"O	1"〇				
SOC	KEI	Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep			
(	)	12400M 12400A	13400M 13400A	13300M 13300A	14400M 14400A	14300M 14300A	16400M 16400A	16300M 16300A	18400M 18400A	18300M 18300A			
(mm)	(inch)					φD							
4		3											
4.5	3/16	3											
5		4											
5.5		4											
6	1/4	5	5	5									
7	9/32	5	5	6									
8	5/16	6	6	7	6	7							
9	11/32	7	7	8	7	8							
10	3/8	8	8	9	8	9							
11	7/16	9	9	10	9	10							
12		10	10	11	10	11							
13	1/2	11	11	12	11	12							
14	9/16	12	12	13	12	13							
15			13	14	13	14							
16	5/8		14	15	14	15	14	15					
17	11/16		14	16	14	16	14	16					
18	211		15	17	15	17	15	17					
19	3/4		16	18	16	18	16	18	16	18			
20	10/10		17	19	17	19	17	19	17	19			
21	13/16		18	20	18	20	18	20	18	20			
22	7/8		19	21	19	21	19	21	19	21			
23	45/40		20		20	22	20	22	20	22			
24 25	15/16		20		21	23	21	23 24	21	23			
26	1				22	24 25	22		22	24			
27	1- 1/16				23		23	25	23	25			
28	1- 1/10				23	26 27	23 24	26 27	23	26 27			
29	1- 1/8				23	28	25	28	25	28			
30	1- 1/6				23	29	26	29	26	29			
31	1- 0/10				23	30	27	30	27	30			
32	1- 1/4				23	31	28	31	28	31			
33	, -				25	32	29	32	29	32			
34	1- 5/16				25	33	30	33	30	33			
35	1- 3/8				25	34	31	34	31	34			
36	-,-				28	35	32	35	32	35			
37	1- 7/16						32	36	32	36			
38	1- 1/2						34	37	34	37			
40	1- 9/16						34	39	34	39			
41	1- 5/8						35	40	35	40			
42	1-11/16						35	41	35	41			
45	1- 3/4						35	44	35	44			
46	1-13/16						40	45	40	45			
47							40	46					
	1- 7/8						40	47					

# **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



7.62   7.77														, -		wedisii		_		_	_										\ <u>\</u>	$\succeq$	_
Part			SW					_																				zes					
Part					O 72-	German	n Sta			French		ish S	tanda	ırds		ISO POTE 4000																	
2 S	_	(S	h mr	19	68					Standard					- G	R272-	-1962	Nomal Heavy Nute							D. 11							ے	
2 S	ion 1	ion	renc	ر		me	tric		17	8					Wren				Se	ries	Sei	ries		Nuts		Bo	oits a	and Screw	s —			965	sincl
2 S	Jensi	mens	of w	agor	n			15	d DS	1930			ge	nall	of V														(0	crew	arge	3 and 58, 1	flats
2 S	n din	n dir	size	l hex	xagc	2)	-564	69+1	Stano	<u> </u>	rge 12	nall 14	th lar	th sn 15	Size			ΑF					=	m		=		s s	rews	Je S	th La	195,	ross
2 S	in m	im ui	ninal	ndarc	all he		561-	691	ish (	= 27-	ric la S 14	ric sı S 14	twor 3 14	twor 3 14	ninal	olts	nts	ctual	olts	nts	olts	nts	orma	quar	eavy	orma	eavy	achii crew	et Sc quar	achii uts	twor	916,	th ac
2.53   2.63   2.61   1.71   1.75   1.	mini	max	non	stan	sma	N O	N	N	Dan	빌	Met	Met	Whi	Whi	Non	ĕ	ž	¥	ĕ	ž	ĕ	ž	ă a	b S	Ϋ́	ž d	Ĥ e	∑ ŏ f	l a	ΣŹ h	Whi	BS	Wid
1		2.58	2.5																										-				
3.00	3.22	3.28	3.2	1.6																													
4.00 4.14   2   2   2   2   2   2   2   2   2					_	17									1/8	No2							_		_			No2+3					<u> </u>
4.00 4.00 4.5	4.01	4.14								0.5		0.0			5/32		No0+1													No0+1			
5 0										2.5																							
521 533 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				25		25+26				3		3			3/16	No3.4+5	No2+3	19										No4+5	No10	No2+3			
Section   Sect	5.21	5.33								0					13/64																		
Section   Sect				3		3									7/32														No12				
\$40   \$6.50   \$7.70   \$7.10						3.5				3.5	3	3.5			15/64																		
682 67	6.40	6.53				0.0				0.0	0	0.0			1/4	No6+8	No4	25										No6+8	1/4	No4	1/10		050
7.19   7.22   1		6.97													17/64																1/16		.256
7.60   7.70   7.	7.03	7.15	7	4		4				4+4.5	3.5	4			9/32											No10							=
8.03	7.60	7.70																													3/32		.297
841 856   8   9   9   9   9   9   9   9   9   9	8.03	8.18														No10+12	No5+6	31										No10+12	5/16	No5+6			
870 880 89				5		5	6			5	4	5			21/64																		
9.03   9.15   9   6   6   8   9   6   8   8   9   8   8   9   9   8   9   9	8.70	8.80															N-O	0.4												N-O	1/8	3/16	.340
10.01   10.19   10   10   10   10   10   10   10	9.03	9.15	9			6				5.5	5																						
10.39   10.55   1				6		6	8			6		6			3/8		No10	38								*1/4		1/4	3/8	No10			
11.18   11.33	10.39	10.55							1/4					1/4	13/32																		
1199   12   14   2   8   7   8   15   15   12   14   15   15   15   15   15   15   15	11.18	11.33		/		/			1/4		В	/		1/4	7/16	1/4	No12.1/4	44	1/4	1/4			1/4	1/4		1/4			7/16	No12.1/4			
12.04   12.86   12.86   13.86   13.87   13.86															15/32																3/16	1/4	.445
13.04   13.44   13.45   18   8   9   10   14   516   1773   14   10   87   516   8   8   1773   14   10   87   516   8   8   1773   14   10   87   516   8   8   1773   14   10   87   516   8   8   1773   14   10   87   516   8   8   1916   138   138   14   15   15   15   15   15   15   15	12.04	12.24	12		8					7		8				5/10	5/40		5/40	540		474	E/40		474	F/40		5/10	1/0				
13.60   13.77         10   87	13.04	13.24		8		8	10						1/4	5/16	1/2	5/16	5/16	50	5/16	5/16		1/4	5/16		1/4	5/ I b		5/16	1/2				
14.05   14.27   14   10   87   10   10   10   10   10   10   10   1															17/32																1/4	5/16	.525
15.05   15.27   15	14.05	14.27	14		10	8°)			5/16	8	8					0.10	0.10		0/0	0/0		540	0/0	5/40	5/40	0/0		0/0	0/40	540			
15.94   15.44			15			10⁵)						10	5/16	3/8	9/16	3/8	3/8	56	3/8	3/8		5/16	3/8	5/16	5/16	3/8		3/8	9/16	5/16			
15,98   16,15															19/32																5/16	3/8	600
16.77   16.96   71   01   2	15.98	16.15	10				Ļ								5/8	7/16		62	7/16					3/8		7/16			5/8	3/8	3/10	0/0	.000
17.58   17.75   18				Spa	ark	olug MTC	JX I .	U		9					21/32																		
18.05   18.30   18   Spark plug M12x1.25				10	12	10	12		3/8	10	10				11/16		7/16	69		7/16		3/8	7/16		3/8								<del></del>
19.06   19.36   19   12   14   12   16   7/16   11   14   12   16   7/16   11   15   13   13   13   13   15   16   13   15   16   13   15   15   15   15   15   15   15	18.05	18.30	18	Sp	ark	plug M1	2x1.	25				12	3/8	7/16			.,					-									0/0	7/40	740
19.97   20.17   20.18   20.6   20.36   20   20   20.78   20.98   20.78   20.98   20.78   20.98   20.78   20.98   20.78   20.98	19.06	19.36	19	12	14	12	16		7/16	11																					3/8	//16	./10
20.06   20.36   20   20.08   2																1/2	1/2	75	1/2	1/2		7/16	1/2	7/16	7/16	1/2			3/4				<u> </u>
20.86 21.16 20.8 Spark plug M14x1.25	20.06	20.36	20													0/16		01	0/16					1/0		0/16							
21.06   21.36   21	20.86	21.16	20.8	Sp	ark	plug M1	4x1.	25							13/16	9/10		01	9/10					1/2		9/10							
22.06   22.36   22   14   16   14   12   12   12   14   14   12   12										12		14	7/16	1/2																	7/16	1/2	.820
23.62   23.67   24.21	22.06	22.36	22	14	16	14		12	1/2		12+14				7/2		9/16	88		9/16	1/9	1/9	9/16	9/16	1/2				7/Q				$\vdash$
23.98   24.21	23.06	23.36	23							14			1/2		1/0		J/ 10	50		0/10	1/2	1,12	J/ 10	5/10	1/4				1,10		7.0	0	
24.76															15/16	5/8	5/8	94	5/8	5/8			5/8		9/16	5/8					1/2	9/16	.920
25.06   25.36   25				16	18	16	20					16		5/8	31/32																		-
25.81   25.96	25.06	25.36	25															100						F /^									
26.08   26.48   26   Spark plug M18x1.5	25.81	25.96					L	L	L						1			100						5/8					1		9/16	5/8	1.010
27.13   27.36	26.08	26.48					8x1.		5/8		16	18						$\vdash$		F		F		H									$\vdash$
28.08   28.48   28	27.13	27.36			_5			. 5	3,0		.,				1 1/16			106			5/8	5/8			5/8						F/2	44140	1.100
29.08   29.48   29	28.08	28.48	28										5/8	3/4																	5/8	11/16	1.100
30.08   30.48   30   20   22   20   24				$\vdash$			<u> </u>		<u> </u>	18					1 1/8	3/4	3/4	112	3/4	3/4			3/4	3/4		3/4			1 1/8			$\vdash$	_
30.66   30.84	30.08	30.48	30	20	22	20	24					20			1.0/10																		
31.93   32.18	30.66	30.84													1 3/16																11/16	3/4	1.200
33.08   33.48   33	31.93	32.18		22	24	22		20	3/4	20	18_20	22			1 1/4			125			3/4	3/4			3/4				1 1/4				
33.53   33.81	33.08	33.48	33						3,7		.5120		3/4	7/8																	0/4	7/0	1 000
34.08 34.48 34	33.53	33.81													1 5/16	7/8	7/8	131	7/8	7/8			7/8	7/8		7/8					3/4	//8	1.300
35.13 35.41 1 3/8 1 1 3/8 1 1 3/8 1 1 3/16 1.390	34.08	34.48		$\vdash$	_		<u> </u>		<del>-</del>	22		24						$\vdash$		F		F		H									$\vdash$
	35.13	35.41													1 3/8														1 3/8		10/10	1E/10	1 200
				24	27	24	30	22	7/8		22+24																				13/10	10/10	1.390

# **Equivalent Standard Bolt Diameters**

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



Soc									ric size														can si							_	lish si	zes
Oper	ning	SW		0	Cor	rmon		Thread ndard	d diame		vedish	Stone	dordo		IS						Т	hread	diame	eters						Threa	d Diam BS	
=	(2)	h mr	R2 19	68				nuaru	Standard	SW	vedisii	Staric	laius	nch	R272	-1962		No	mal	He	avy		Nuts		Polt	s and	Cara	1/0	Nuto	VV		-
. uoisi	nsion	wrenc	uo		'	metri		S 17	303)					of Wre				Se	ries		rieś		INUIS		DOIL	S and	Scien	NS	Nuts		nd 1965	ıts inc
minimum dimension 1)	maximum dimension	nominal size of wrench mm	standard hexagon	small hexagon	2)	564	DIN6914+6915	Stand DS	NFE 27-111-19303)	rge 12	nall 14	Whitworth large SMS 1413	Whitworth small SMS 1415	Nominal Size of Wrench			A/F					_	0		_		e "	rews	ne Scre	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
nimum	aximur	minal	andard	nall he	DIN2)	DIN561+564	N6914	Danish S	=E 27-	Metric large SMS 1412	Metric small SMS 1414	hitwort AS 141	hitwort AS 141	omina	Bolts	Nuts	Actual	Bolts	Nuts	Bolts	Nuts	Normal	Square	Heavy	م Normal	Heavy	Machine Screws	Set Screws Square	Machine Nuts	hitwort	3 916, 3 1083	idth ac
36.73	37.01	2	sts	su	□	□		Dé	Ž	Σő	ž s	> S	> v	1 7/16			144			7/8	7/8	а	b	7/8	d	e 7/8	f	g	h	>	8 8	>
37.10 37.82	37.60 38.05											7/8	1																	7/8	1	1.480
38.10 38.30	38.60 38.61								24					1 1/2	1	1	150	1	1			1	1		1			1 1/2				
39.89 40.36	40.20 40.59													1 9/16																15/16	1 1/16	1.580
41.10 41.50	41.60 41.81		27	30	27		24	1		27				1 5/8			162			1	1			1		1						
42.10 42.67	42.93								27			1	1 1/8																	1	1 1/8	1.670
43.08 44.70	43.38 45.03													1 11/16	1 1/8	1 1/8	169	1 1/8	1 1/8			1 1/8	1 1/8		1 1/8							
46.10 46.28	46.60 46.61		30	33	30	36	27	1 1/8	30	30				1 13/16			181			1 1/8	1 1/8			1 1/8		1 1/8						
47.10 47.52	47.60 47.80											1 1/8	1 1/4				100						1.1/1		4.474					1 1/8	1 1/4	1.860
47.88 50.10			33	36	33			1 1/4	33	33					1 1/4	1 1/4		1 1/4	1 1/4				1 1/4		1 1/4							
51.08 52.10		52										1 1/4	1 3/8	2			200			1 1/4	1 1/4			1 1/4		1 1/4				4.4/4	4.0/0	0.050
52.37 52.68 54.12									36					2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8					1 1/4	1 3/8	2.050
54.12 54.25 55.12	54.61		26	20	26	42		1 3/8	30	36				2 1/8																		
55.88 56.12	56.26		36	39	30	42		1 3/0		36		1 2/0	1 1/2	2 3/16			219			1 3/8	1 3/8			1 3/8		1 3/8						
56.72 57.45	57.05	50										1 0/0	1 1/2	2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2					1 3/8	1 1/2	2.220
58.12 60.12			39		39			1 1/2	39	39		1 1/2	1 5/8	2 1/4	1 1/2	1 1/2	223	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2							
60.66 61.57	61.06		-		-			/2		- 00		,_	. 0,0	2 3/8			238			1 1/2	1 1/2			1 1/2		1 1/2				1 1/2	1 5/8	2 410
62.23 63.12	62.64								42					2 7/16												1 5/8						
63.83 65.12	64.24 65.72		42		42	48		1 3/8		42		1 5/8	1 3/4	2 1/2																		
65.43 65.91	65.86 66.29													2 9/16			256							1 5/8		1 5/8				1 5/8	1 3/4	2.580
67.03 67.12	67.46								45					2 5/8	1 3/4	1 3/4	262	1 3/4	1 3/4						1 3/4							
70.12 70.26	70.72 70.69		45		45			1 3/4		45		1 3/4	1 7/8	2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4						
70.51 71.12	70.92 71.72	71							48																					1 3/4	2	2.760
71.81 75.03	72.26 75.51													2 13/16 2 15/16			294							1 7/8	1 7/8	1 7/8						
76.61	75.85 77.09		48		48	56		1 7/8		48		1 7/8	2	3	2	2	300	2	2						2							
79.81	77.85 80.31								52					3 1/8			312			2	2			2		2						
80.47	80.85 80.92		52		52			2	52		2																			2	2 1/4	3.150
85.15	82.85 85.85	85	56		56			2 1/4	56					0.0/0											0.4/4							
88.15	86.72 88.85	88							60					3 3/8										0.4/4	2 1/4	0.4/4						
90.15	89.92 90.85 91.00	90	60		60									3 1/2										2 1/4		2 1/4					0.1/0	2.550
94.15	94.85	94	C4		C4			0.1/0	64																						2 1/2	3.550
95.76	95.85 96.34		04		64			2 1/2						3 3/4										0 1/0	2 1/2	2 1/0						
99.20	99.52 99.60		60		60				60					3 7/8										2 1/2		2 1/2					2 3/4	3.890
100.15 105.20 105.33	106.00				68 72			2 3/4	68 72					4 1/8										2 3/4								
105.33 106.60 108.51	107.00													4 1/6										2 3/4							3	4.180
110.20	111.00		76		76			3	76					4 1/2										2 3/4	3							
115.20 116.20	116.00				80				80					. 1/2																		
118.08 120.20	118.77				85			3 1/4	- 55					4 5/8										3		3						
	x-min,						c size		ording	to DI	V 475/	2, ser	ies 1	1	1	1	a) He	ex Flat	and I	lex F	lat Ja	m Nu	ts		d)	Squar	e Bol	ts	1			-

1) max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963

a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
b) Square Nuts
c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts
Heavy Hex Jam Nuts

ANSI B 18.2.2-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

ANSI B 18.2.1-1972 f) ANSI B 18.6.3-1962 g) ANSI B 18.6.2-1956 h) ANSI B 18.6.3-1962

\* Square Bolt and Lag Screw only



ion	Hexa	gon Head	d Bolt	Hexago C	on Socke ap Screw	t Head	то	RX	TORX	IPLUS	Triple Square	LHSTIX	Ref.)	Standard	ard Tightning Torq		(Nm)
Screw dimension	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Serews	т	E	IP	EP. [EP.]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	Т8		8IP		МЗ		0.25	0.49	0.65	0.92	1.1
М3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	201P/251P /271P	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
М6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	451P/501P	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

\*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

TORX® is a registered trademark of CAMCAR Innovations®.
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Limstix® is a registered trademark of OSG SYSTEM PRODUCTS CO., LTD.
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<sup>\*</sup> Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2 Axial Force (Ff) : 60% of Proof Strength( $\sigma$ )



#### TORXº/TORXMass. BITS

	S1 (S1)	S1 (mm)	S2 (mm)
Т6	6IP	1.7	1.2
T7	7IP	2.0	1.4
Т8	8IP	2.3	1.7
Т9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

## TOR Yellow Tamper-Resistant BITS

S1 S2	S1 (mm)	S2 (mm)
8IPR	2.2	2.0
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7

#### **XZN BITS**

S <sub>2</sub>	S1 (mm)	S2 (mm)
M4	3.6	3.1
M5	4.8	4.1
M6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2

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#### TORXº/ TORXplase SOCKETS

S1 S2	0	S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

### ਪਮstiix® (LH-S) SOCKETS

S <sub>1</sub>	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

#### **Ribe CV BITS**

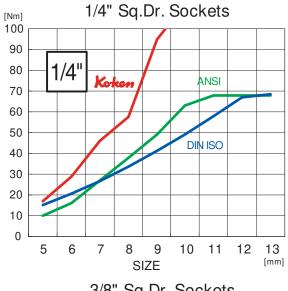
S <sub>2</sub> W	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

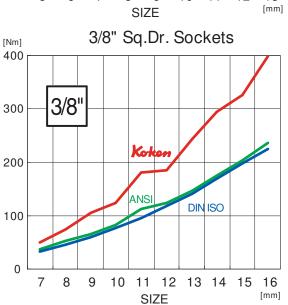
	kon	0"	Conver	sion Ta	ble: Am	nerican 4"	5"	Decima 6"	I Inches	s-Millim 8"	eter 9"	10"	11"
in	dec.in.	0	25.4000	50.8000	76.2000	101.6000	Millimeter(m	nm) 152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
5/64 3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750		79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531 6.3500	31.3531 31.7500	56.7531 57.1500	82.1531 82.5500	107.5531 107.9500	132.9531 133.3500	158.3531 158.7500	183.7531 184.1500	209.1531	234.5531 234.9500	259.9531 260.3500	285.3531 285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031 12"	50.4031 13"	75.8031 14"	101.2031 15"	126.6031 16"	152.0031 17"	177.4031 18"	202.8031 19"	228.2031 20"	253.6031 21"	279.0031 22"	304.4031 23"
in.	dec.in.						Millimeter(m	ım)					
1/32	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875
3/32	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.1813	586.5813
1/8	0.12500	307.9750	333.3750	358.7750	384.1750	409.5750	434.9750	460.3750	485.7750	511.1750	536.5750	561.9750	587.3750
5/32	0.15625	308.7688	334.1688	359.5688	384.9688	410.3688	435.7688	461.1688	486.5688	511.9688	537.3688	562.7688	588.1688
3/16	0.18750	309.5625	334.9625	360.3625	385.7625	411.1625	436.5625	461.9625	487.3625	512.7625	538.1625	563.5625	588.9625
7/32	0.21875	310.3563	335.7563	361.1563	386.5563	411.9563	437.3563	462.7563	488.1563	513.5563	538.9563	564.3563	589.7563
1/4	0.25000	311.1500	336.5500	361.9500	387.3500	412.7500	438.1500	463.5500	488.9500	514.3500	539.7500	565.1500	590.5500
9/32 5/16	0.28125 0.31250	311.9438 312.7375	337.3438 338.1375	362.7438 363.5375	388.1438 388.9375	413.5438 414.3375	438.9438 439.7375	464.3438 465.1375	489.7438 490.5375	515.1438 515.9375	540.5438 541.3375	565.9438 566.7375	590.3300 591.3438 592.1375
11/32	0.31250	312.7375	338.9313	364.3313	388.9375	415.1313	440.5313	465.9313	490.5375	516.7313	541.3375	567.5313	592.1375
3/8	0.37500	314.3250	339.7250	365.1250	390.5250	415.9250	441.3250	466.7250	492.1250	517.5250	542.9250	568.3250	593.7250
13/32	0.40625	315.1188	340.5188	365.9188	391.3188	416.7188	442.1188	467.5188	492.9188	518.3188	543.7188	569.1188	594.5188
7/16	0.43750	315.9125	341.3125	366.7125	392.1125	417.5125	442.9125	468.3125	493.7125	519.1125	544.5125	569.9125	595.3125
15/32	0.46875	316.7063	342.1063	367.5063	392.9063	418.3063	443.7063	469.1063	494.5063	519.9063	545.3063	570.7063	596.1063
1/2	0.50000	317.5000	342.9000	368.3000	393.7000	419.1000	444.5000	469.9000	495.3000	520.7000	546.1000	571.5000	596.9000
17/32	0.53125	318.2938	343.6938	369.0938	394.4938	419.8938	445.2938	470.6938	496.0938	521.4938	546.8938	572.2938	597.6938
9/16	0.56250	319.0875	344.4875	369.8875	395.2875	420.6875	446.0875	471.4875	496.8875	522.2875	547.6875	573.0875	598.4875
19/32	0.59375	319.8813	345.2813	370.6813	396.0813	421.4813	446.8813	472.2813	497.6813	523.0813	548.4813	573.8813	599.2813
5/8	0.62500	320.6750	346.0750	371.4750	396.8750	422.2750	447.6750	473.0750	498.4750	523.8750	549.2750	574.6750	600.0750
21/32	0.65625	321.4688	346.8688	372.2688	397.6688	423.0688	448.4688	473.8688	499.2688	524.6688	550.0688	575.4688	600.8688
11/16	0.68750	322.2625	347.6625	373.0625	398.4625	423.8625	449.2625	474.6625	500.0625	525.4625	550.8625	576.2625	601.6625
23/32	0.71875	323.0563	348.4563	373.8563	399.2563	424.6563	450.0563	475.4563	500.8563	526.2563	551.6563	577.0563	602.4563
3/4	0.75000	323.8500	349.2500	374.6500	400.0500	425.4500	450.8500	476.2500	501.6500	527.0500	552.4500	577.8500	603.2500
25/32	0.78125	324.6438	350.0438	375.4438	400.8438	426.2438	451.6438	477.0438	502.4438	527.8438	553.2438	578.6438	604.0438
13/16	0.81250	325.4375	350.8375	376.2375	401.6375	427.0375	452.4375	477.8375	503.2375	528.6375	554.0375	579.4375	604.8375
27/32	0.84375	326.2313	351.6313	377.0313	402.4313	427.8313	453.2313	478.6313	504.0313	529.4313	554.8313	580.2313	605.6313
7/8	0.87500	327.0250	352.4250	377.8250	403.2250	428.6250	454.0250	479.4250	504.8250	530.2250	555.6250	581.0250	606.4250
29/32	0.90625	327.8188	353.2188	378.6188	404.0188	429.4188	454.8188	480.2188	505.6188	531.0188	556.4188	581.8188	607.2188
15/16	0.93750	328.6125	354.0125	379.4125	404.8125	430.2125	455.6125	481.0125	506.4125	531.8125	557.2125	582.6125	608.0125
31/32	0.96875	329.4063	354.8063	380.2063	405.6063	431.0063	456.4063	481.8063	507.2063	532.6063	558.0063	583.4063	608.8063

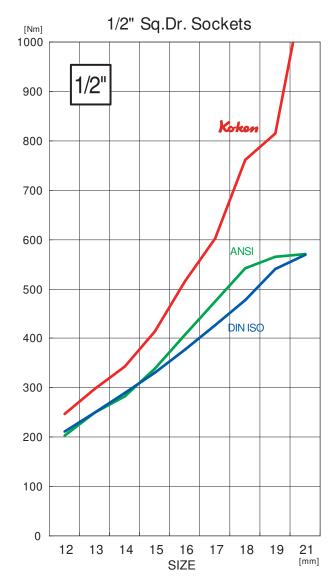


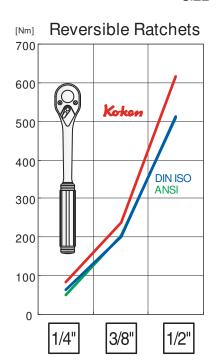


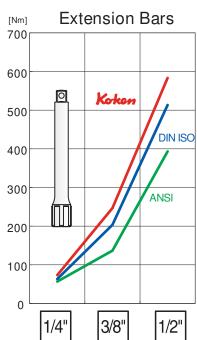


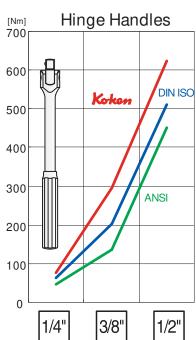












10099A	262	12400AG	196	135AL	185	14406M	21
100H	174	12400MG	196	135E	185	14410M	21
100P	174	12410M	196	137	166	14415M	21
100P (PZ)	174	12425	197	13760	213	14425	21
100S ` ´	174	12460A	197	13760-P	213	14425-EPL	21
00T (T)	174	12460AG	197	13760-P.FR	281	14433A	23
00T (TH)	175	12460M	197	13770	214	14440A	22
00X (XZN)	175	12460MG	197	13771	214	14440M	22
01A	169	12465M	197	13772	214, 297	14444AL	22
01B	168	124M (2B)	159	138	166	14444WA	23
01H	168	12760	198	139	166	14455A	23
01P	168	12760-P	198	14012M	223	14465M	21
018	168	12770	198	14025	223	14466A	230, 30
01T (T)	168	127C	288	14100A	151	14466AL	22
01T (TH)	168	128H	169	14100M	151	14488A-B	30
02KA	164	128T	169	14101M	305	144KM	28
02KM	164	13012M	208	14101MP	304	145KM-10H	16
02KM.BH	164	13025	208	14101MP/8H	304	145LH3/8F	29
02KT	164	13103M	153	14103M	153	14760	22
O2NA	164	13134	183, 208	14106	227	14760-P	22
O2NM	164	13134M	211	14112	305	14760-P.FR	28
D3KA	165	13134T (IP)	211	14113J	302	14770	23
O3KA.BH	165	13134T (T)	211	14113M	302	14771	23
03KM	165	13134X (XZN)	211	14118M	302	14772	230, 29
O3KT	165	13137E	177	14124	303	148KM	280, 28
		13137H				150-10H	
0400A	262		177	14124/3	303		16
0400M	262	13139	173	14134	183, 223	150-14H	29
04A	158	13140	175	14134M	226	15300M	23
04M	158, 299	13142-D6.3	173	14134T (IP)	226	15310M	23
06	293	13142-F11.2	183, 208	14134T (T)	226	15400A	23
07-16	227, 242, 252	13142-F6.3	177	14134X (XZN)	226	15400M	23
07-16 (IP)	227, 242, 252	13145A-150	297	14137E	177	15410M	23
07-16 (T)	227, 242, 252	13145M	212	14139	173	154K	29
07-16 (XZN)	227, 242, 252	13145M (12P)	212, 291	14140	175	154M	16
07-22	243, 253	13145MG	212	14142-D6.3	173	154ML	16
07-22 (T)	243, 253	13146M	213	14142-F11.2	183, 223	155	29
07-32	254, 258	13147M	213	14142-F6.3	177	15544A	23
08A	172	13242M	214	14145A-150	297	15555AL	23
08H	172	13300A	205	14145M	228	15566A	23
08P	172	13300G	206	14145M-110MB	300	156M	15
08\$	172	13300G-FR	281	14145MG	228	15770	23
08T (T)	172	13300M	205	14145PM-110	300	157H	160, 29
08T (TH)	172	13300M-FR	281	14146M	228	157P	160, 29
10	184	13300XG	205	14147M	229	157\$	16
10AL	184	13301A	205	14184	313	157T	160, 29
12	184	13301M	205	1418	152, 314	158	29
12AL	185	13301X	204	14201M	300	160K	16
13	179	13305M	206	14207M	231	16101M	30
13 (2B)	179	13306M	206	14208M	231	16102M	30
13 (E)	179	13310M	206	14209M	231	16106	24
13-SV	283	13322A	214	14210M	231	16106-16	24
13UN	181	13325	207	14210T	231	16106-16 (T)	24
15 N	180	13333AL	213	14210X	231		24
						16106-16 (XZN)	
15-SV	283	13333WA	214	14218M	302	16107	24
15G	181	13344A	214	14219M	302	16107-22	24
15G-FR	283	13365M	206	14241A	232	16134	18
17	186	13400-WN	204	14241M	232	16201A	24
20	186	13400A	199	14242M	232	16201M	24
201	152	13400AG	201	14245M	232	16245M	24
202	169	13400M	199	14300A	220	162E	31
203	166	13400M-FR	281	14300G	222	162RK	32
206	294	13400MG	201	14300G-FR	282	16300A	23
210	295	13401A	200	14300M	220	16300M	23
210E	295	13401LH	204	14300M-FR	282	16301A	23
212	296	13401M	200	14301A	220	16301M	23
2137E	177	13401MS	201	14301M	220	16301X	23
2139	173	13405A	199	14301X	219	16305M	239, 29
2140	175	13405M	199	14305M	221, 297	16310M	24
2142-F6.3	177	13406A	200	14306M	221	16316A	30
21H	176	13406M	200	14310M	221	16316M	30
21P	176	13410M	201	14325	222	16317A	30
1T (IP)	177	13425	203	14365M	222	16317M	30
21T (T)	176	13425-EPL	203	14400-WN	219	16325	24
:1T (TH)	177	13425-EPRL	203	14400A	215	16400A	23
2222AL	198	13425EG	203	14400M	215	16400M	23
2233A	198	13430M	207	14400M-FR	282	16401A	23
2300G	198	13440A	207	14400MG	217	16401M	23
2300M	198	13440M	207	14401A	216	16405A	23
2365M	198	13440T	207	14401LH	219	16405M	23
23PG	178, 313	13460A	202	14401M	216	16410M	23
23PN	178, 313	13460AG	202	14401MS	217	16425	23
23PT	178	13460M	202	14405A	215	16425-EPL	23
	196	13460MG	202	14405M	215	165BM	17
2400A				1 1 1 3 0 111	210		- 17
12400A 12400M	196	13465M	202	14406A	216	165LM	

16644A	244	186	186	2415M	049	2774JS	060
16644AL	244	18760	254	2425	051	2774JS-3/8	092
16655A	244	18770	255	24300A	278	2774N	061
16666AL	244	18771	255	24300M	278	2774P	061
16688A	244	18866A	255	24305M	278	2774P-1/4HF	173
166P	190	18877A	255	2430M	055	2774P-5/16HF	175
166PS/6	190	18888AL	255	2430T	055	2774PS	060
166S	190	19300M	261	24310M	278	2774PS-3/8	092
16760	243	19400A	260	24400A	277	2780	064
16770	244	19400M	260	24400M	277	2785	064
16771	244	19760	261	24405M	277	280PM	300
167A	188	19770	261	2440A	054	3000-60 (PH)	080
167C (2B)	188	19977A	261	2440M	054	3000-50 (PZ)	080
167M	188	2000 (PH)	055	2440T	054	3005	080
168C	191	2000 (PZ)	055	24410M	277	3010A	081
168CS	191	2000 (1 Z) 2000Z	025	2441M	054	3010M	081
168H-B	189	2005	055	2441MZ	025	3010MZ	032
168P	191	2005Z	025	24425	277	3011M	083
168P (PZ)	189	2010A	056	2445A	054	3012A	082
168PS/6	191	2010M	056	2445M	054	3012M	082
168S	191	2010MZ	025	2450AS	050	3012M-25	082, 293
168T (250)	296	2011M	056	2450MS	050	3015M	083
168T (IP)	322	2020	057	2455AS	050	3020	084
168T (TH)	189	2025 (IP)	058	24760-P	278	3025 (IP)	087
				2715			087
168T/7 (TH)	189	2025 (T)	057		161	3025 (IPR)	
169	296	2025 (TH)	057	2725BRK-1 (3/8)	322	3025 (T)	085
169/2	296	2025-28 (IPR)	058	2725RK-1	322	3025 (TH)	086
169BP	296	2025Z	026	2725RK-1 (3/8)	322	3025-100R (T)	085
169HR	296	2120	061	2725RK-2	322	3025-100R (TH)	086
169HR/2	296	2127	154	2725RK-2 (3/8)	322	3025Z	032
169WM	296	2137	173	2725Z	027	3027	084
170S	316	2138	175	2725Z-160	027	3110A	292
171	316	2201AM	065		033	3110M	292
				2725Z-3/8			
17108	258	22300A	274	2725Z-3/8 (L160)	033	3110MGH	292
17108-32	258	22300M	274	2725ZB-3/8	034	3112G	170
171B-1/2	317	2233A	064	2725ZB-3/8 (L160)	034	3112N	170
171S	316	22400M	274	2726Z	027	3112RK	321
171SB-1/2	317	22425	274	2726Z-160	027	3116M	159
172	317	2250A	065	2726Z-3/8	035	3117M	080
17300A	257	2250M	065	2726Z-3/8 (L160)	035	3119	312
17300M	257	2254M	169	2726ZB-3/8	036	3127	154
17400A	256	2257M	066	2726ZB-3/8 (L160)	036	3128	155
17400M	256	2260M	066	2749N-3/8	088	3129	156
17405A	257	2261M	066	2749P-1/4HF	173	3131A	163
17405M	257	2275	067	2749P-3/8	088	3131E	163
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17770	259	2277	067	2749PS-3/8	088	3137	173
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